

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030623\  
 Data File : BF132642.D  
 Acq On : 06 Mar 2023 10:55  
 Operator : CG\JU  
 Sample : PB151188BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB151188BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/07/2023  
 Supervised By : Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 00:50:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 24 23:17:30 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.004  | 152  | 236628   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.292  | 136  | 864290   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.051 | 164  | 461909   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.551 | 188  | 875423   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.210 | 240  | 504972   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.762 | 264  | 448206   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.640  | 112  | 1701726  | 116.717 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.639  | 99   | 2209522  | 116.119 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.575  | 82   | 1426820  | 78.324  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.851 | 330  | 610688   | 122.421 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.369  | 172  | 2198411  | 72.470  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.139 | 244  | 2635872  | 88.254  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.957  | 88   | 255127   | 31.634  | ng    | 95       |
| 3) Pyridine                   | 3.710  | 79   | 657627   | 30.719  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.675  | 42   | 322560   | 39.890  | ng    | 90       |
| 6) Aniline                    | 6.663  | 93   | 901338   | 35.199  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.792  | 128  | 703058   | 46.461  | ng    | 93       |
| 9) Benzaldehyde               | 6.551  | 77   | 136335   | 13.278  | ng    | 97       |
| 10) Phenol                    | 6.651  | 94   | 875594   | 40.137  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.734  | 93   | 739463   | 43.909  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.945  | 146  | 696489   | 42.891  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.022  | 146  | 692138   | 42.686  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.175  | 146  | 680493   | 43.730  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.145  | 79   | 626791   | 42.771  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.275  | 45   | 879567   | 40.956  | ng    | 99       |
| 17) 2-Methylphenol            | 7.257  | 107  | 574967   | 40.713  | ng    | 98       |
| 18) Hexachloroethane          | 7.516  | 117  | 270158   | 42.647  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 442244   | 37.764  | ng    | 90       |
| 20) 3+4-Methylphenols         | 7.410  | 107  | 635929   | 34.854  | ng    | 91       |
| 22) Acetophenone              | 7.416  | 105  | 866345   | 39.752  | ng    | # 87     |
| 24) Nitrobenzene              | 7.592  | 77   | 765488   | 39.291  | ng    | 99       |
| 25) Isophorone                | 7.828  | 82   | 1411230  | 40.406  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.904  | 139  | 372574   | 43.342  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.939  | 122  | 564098   | 41.578  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.034  | 93   | 824636   | 40.362  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.145  | 162  | 560746   | 41.549  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.228  | 180  | 629557   | 42.960  | ng    | 99       |
| 31) Naphthalene               | 8.316  | 128  | 1736959  | 39.257  | ng    | 100      |
| 32) Benzoic acid              | 8.075  | 122  | 451411   | 42.684  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.357  | 127  | 517327   | 27.285  | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.422  | 225  | 392740   | 42.174  | ng    | 99       |
| 35) Caprolactam               | 8.745  | 113  | 199518m  | 44.843  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.839  | 107  | 621995   | 41.966  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 9.004  | 142  | 1156256  | 38.346  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.104  | 142  | 1091699  | 38.741  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.169  | 216  | 626853   | 41.479  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.157  | 237  | 643742   | 78.535  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.280  | 196  | 430910   | 42.074  | ng    | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030623\  
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 Sample : PB151188BS  
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Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/07/2023  
 Supervised By : Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 00:50:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 24 23:17:30 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.333  | 196  | 459668   | 38.455 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.469  | 154  | 1408398  | 40.285 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.498  | 162  | 1140722  | 41.153 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.592  | 65   | 403663   | 39.540 | ng    | 96       |
| 49) Acenaphthylene            | 9.916  | 152  | 1747658  | 39.616 | ng    | 100      |
| 50) Dimethylphthalate         | 9.769  | 163  | 1370238  | 40.741 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.833  | 165  | 320804   | 41.883 | ng    | 99       |
| 52) Acenaphthene              | 10.086 | 154  | 1266346m | 45.206 | ng    |          |
| 53) 3-Nitroaniline            | 10.004 | 138  | 272358   | 31.787 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.122 | 184  | 410477   | 84.926 | ng    | 90       |
| 55) Dibenzofuran              | 10.263 | 168  | 1573373  | 38.527 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.175 | 139  | 509187   | 79.687 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.245 | 165  | 426664   | 41.871 | ng    | 94       |
| 58) Fluorene                  | 10.604 | 166  | 1229005  | 39.345 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.380 | 232  | 390869   | 44.019 | ng    | 97       |
| 60) Diethylphthalate          | 10.469 | 149  | 1307286  | 39.799 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.592 | 204  | 636849   | 39.300 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.633 | 138  | 353617   | 42.044 | ng    | 93       |
| 63) Azobenzene                | 10.751 | 77   | 1337750  | 38.455 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.657 | 198  | 260735   | 43.997 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.716 | 169  | 1111723  | 40.734 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.086 | 248  | 411998   | 41.606 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.157 | 284  | 467820   | 44.898 | ng    | 98       |
| 69) Atrazine                  | 11.239 | 200  | 379661   | 44.560 | ng    | 99       |
| 70) Pentachlorophenol         | 11.351 | 266  | 489469   | 78.955 | ng    | 99       |
| 71) Phenanthrene              | 11.574 | 178  | 1815155  | 40.024 | ng    | 99       |
| 72) Anthracene                | 11.627 | 178  | 1870911  | 40.061 | ng    | 99       |
| 73) Carbazole                 | 11.780 | 167  | 1731394  | 41.120 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.098 | 149  | 1943859  | 39.357 | ng    | 99       |
| 75) Fluoranthene              | 12.774 | 202  | 1969606  | 39.727 | ng    | 99       |
| 77) Benzidine                 | 12.886 | 184  | 493533   | 40.149 | ng    | 99       |
| 78) Pyrene                    | 13.004 | 202  | 2005332  | 43.679 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.610 | 149  | 749850   | 41.388 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.198 | 228  | 1560297  | 41.296 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 14.157 | 252  | 383434   | 34.422 | ng    | 98       |
| 83) Chrysene                  | 14.239 | 228  | 1436867  | 40.668 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.168 | 149  | 876981   | 39.404 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.792 | 149  | 1305252  | 40.133 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.374 | 276  | 1482352  | 50.474 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.298 | 252  | 1414974  | 47.108 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.333 | 252  | 1258087  | 42.797 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.698 | 252  | 1183301  | 42.093 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.392 | 278  | 1200816  | 50.184 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.868 | 276  | 1301404  | 48.121 | ng    | 99       |

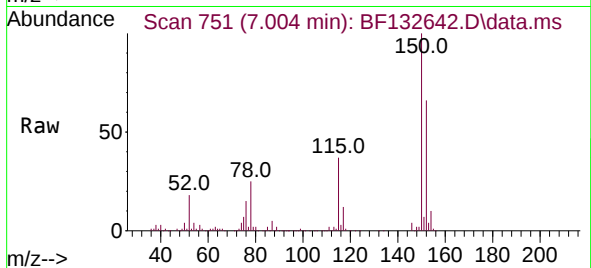
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.004 min Scan# 710  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

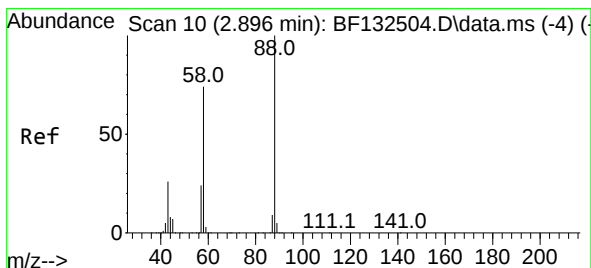
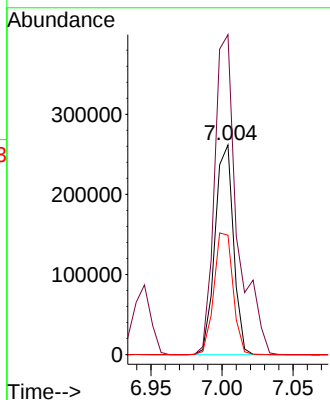
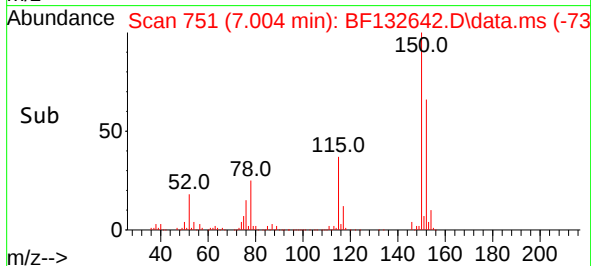
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



Tgt Ion: 152 Resp: 236628  
Ion Ratio Lower Upper  
152 100  
150 152.6 125.4 188.2  
115 57.0 47.8 71.6

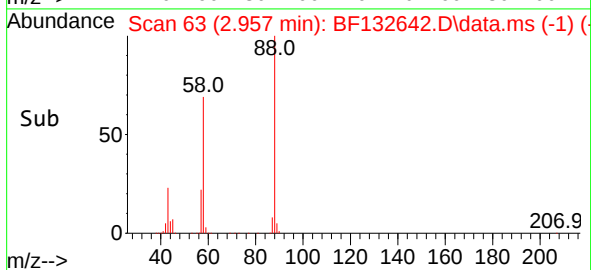
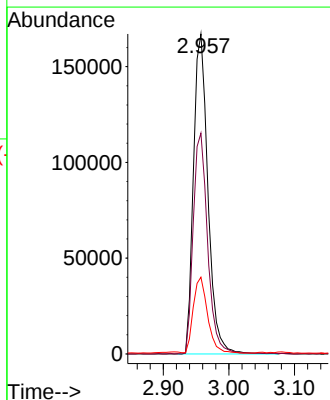
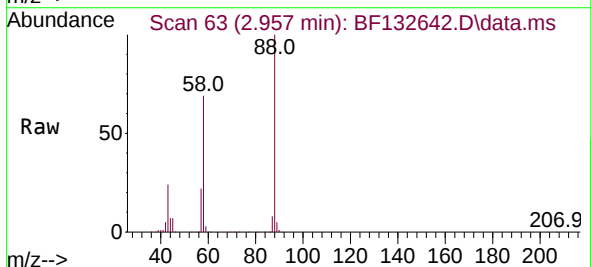
Manual Integrations  
APPROVED

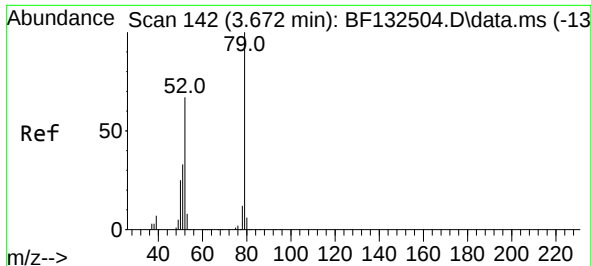
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#2  
1,4-Dioxane  
Concen: 31.634 ng  
RT: 2.957 min Scan# 63  
Delta R.T. 0.074 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

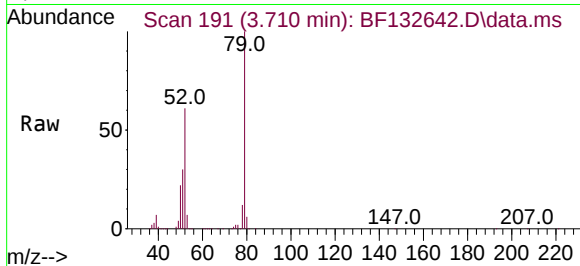
Tgt Ion: 88 Resp: 255127  
Ion Ratio Lower Upper  
88 100  
58 68.9 58.3 87.5  
43 23.5 20.7 31.1





#3  
Pyridine  
Concen: 30.719 ng  
RT: 3.710 min Scan# 191  
Delta R.T. 0.056 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

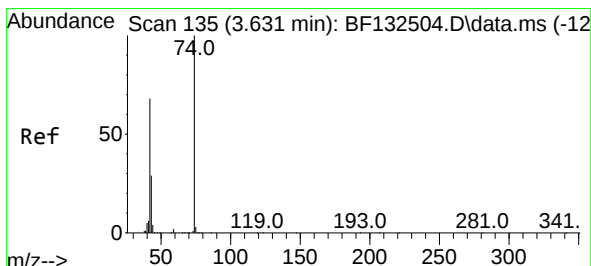
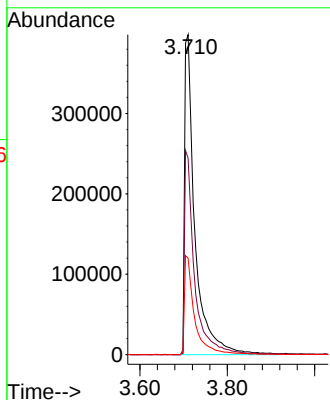
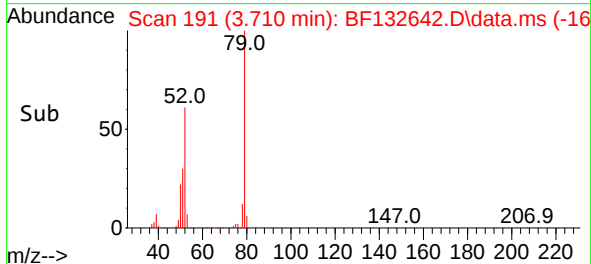
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



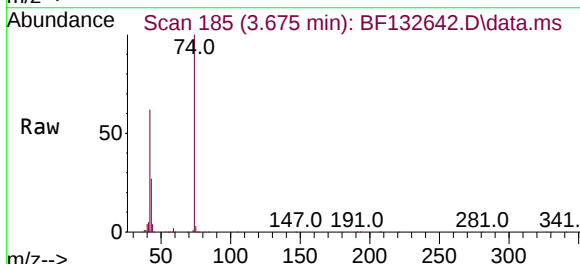
Tgt Ion: 79 Resp: 65762  
Ion Ratio Lower Upper  
79 100  
52 61.4 53.7 80.5  
51 30.1 26.6 40.0

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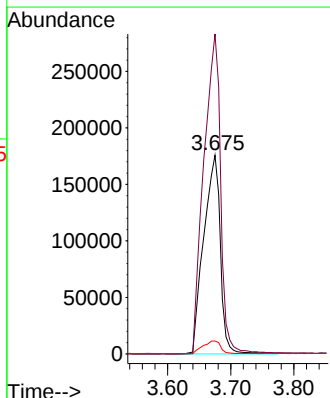
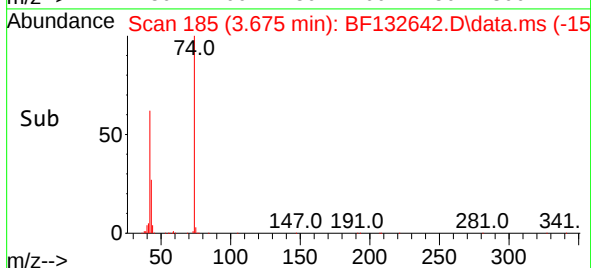
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#4  
n-Nitrosodimethylamine  
Concen: 39.890 ng  
RT: 3.675 min Scan# 185  
Delta R.T. 0.050 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion: 42 Resp: 322560  
Ion Ratio Lower Upper  
42 100  
74 161.1 118.2 177.2  
44 6.5 5.3 7.9





#5  
2-Fluorophenol  
Concen: 116.717 ng  
RT: 5.640 min Scan# 519  
Delta R.T. 0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

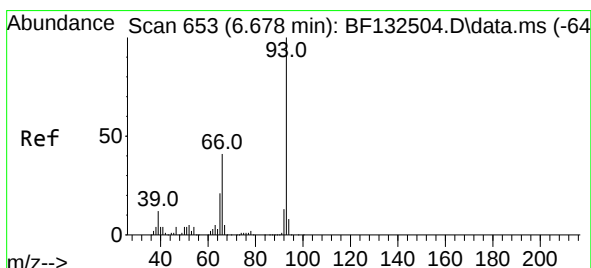
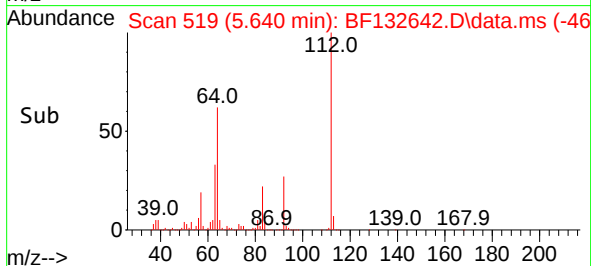
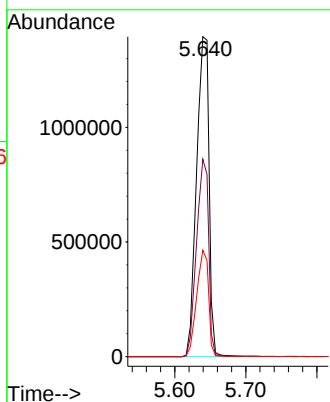
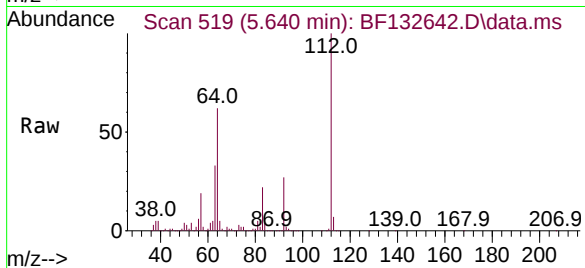
ClientSampleId :

PB151188BS

Tgt Ion:112 Resp: 1701726  
Ion Ratio Lower Upper  
112 100  
64 61.7 51.6 77.4  
63 33.2 27.4 41.2

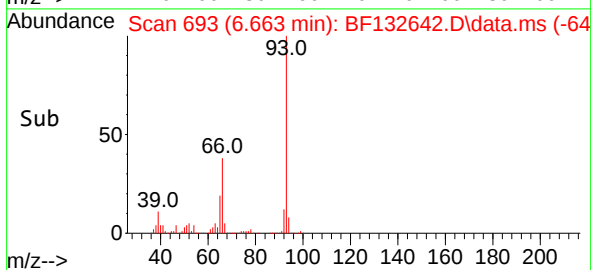
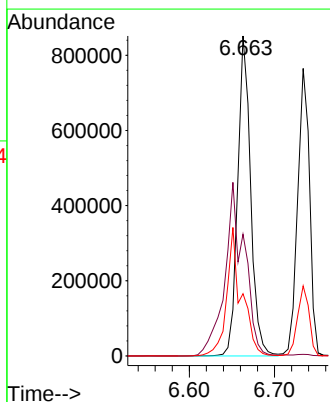
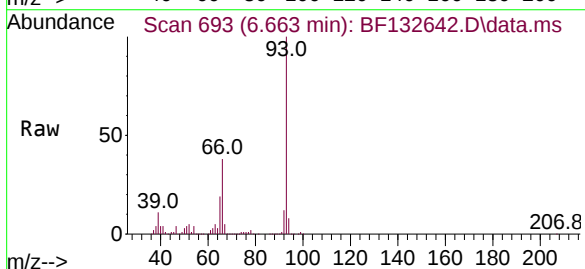
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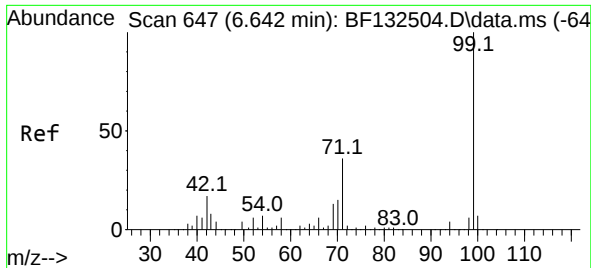
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#6  
Aniline  
Concen: 35.199 ng  
RT: 6.663 min Scan# 693  
Delta R.T. -0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

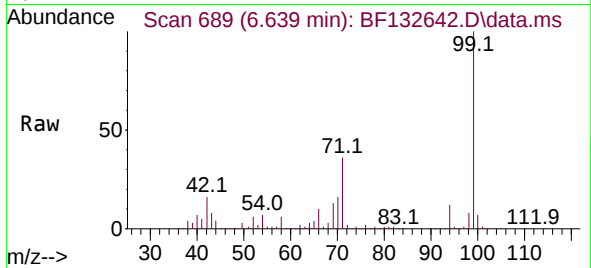
Tgt Ion: 93 Resp: 901338  
Ion Ratio Lower Upper  
93 100  
66 38.0 32.5 48.7  
65 19.4 16.6 24.8





#7  
Phenol-d6  
Concen: 116.119 ng  
RT: 6.639 min Scan# 689  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

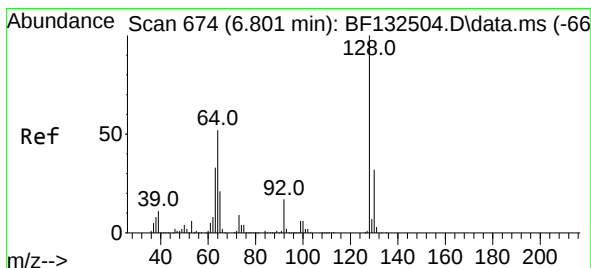
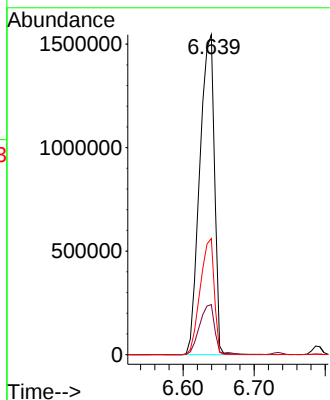
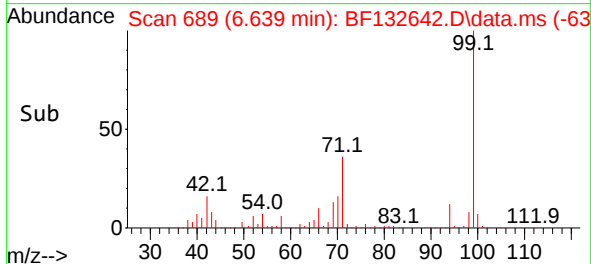
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



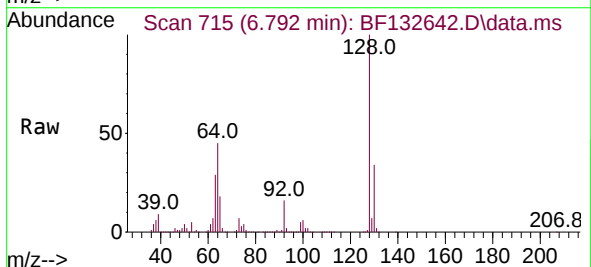
Tgt Ion: 99 Resp: 220952  
Ion Ratio Lower Upper  
99 100  
42 15.6 13.9 20.9  
71 36.3 28.5 42.7

Manual Integrations  
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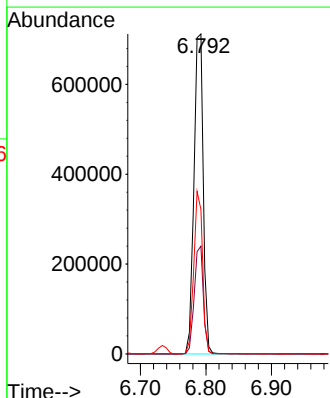
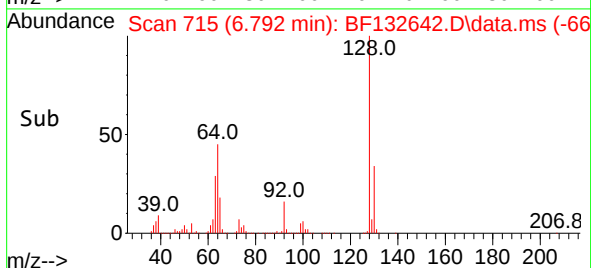
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#8  
2-Chlorophenol  
Concen: 46.461 ng  
RT: 6.792 min Scan# 715  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



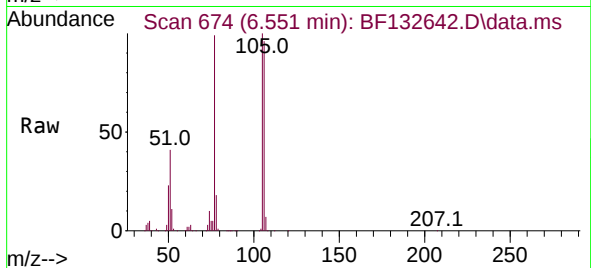
Tgt Ion:128 Resp: 703058  
Ion Ratio Lower Upper  
128 100  
130 33.7 12.1 52.1  
64 45.1 32.0 72.0





#9  
Benzaldehyde  
Concen: 13.278 ng  
RT: 6.551 min Scan# 61  
Delta R.T. -0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

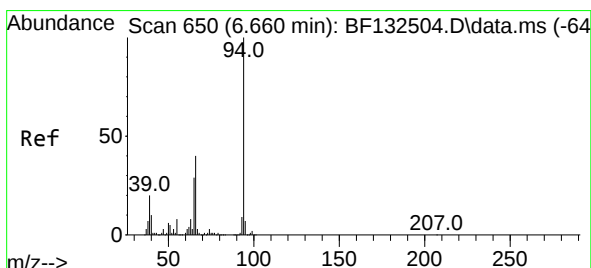
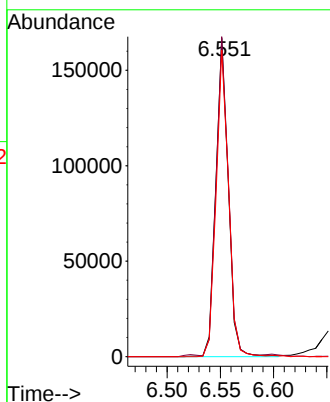
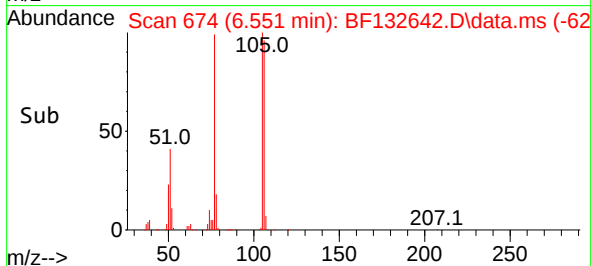
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



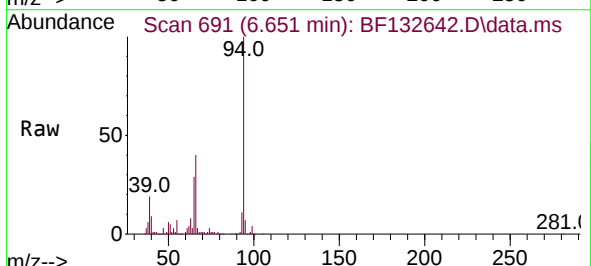
Tgt Ion: 77 Resp: 136335  
Ion Ratio Lower Upper  
77 100  
105 100.5 77.9 117.9  
106 96.2 73.4 113.4

Manual Integrations  
APPROVED

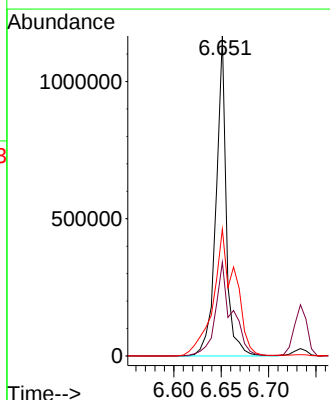
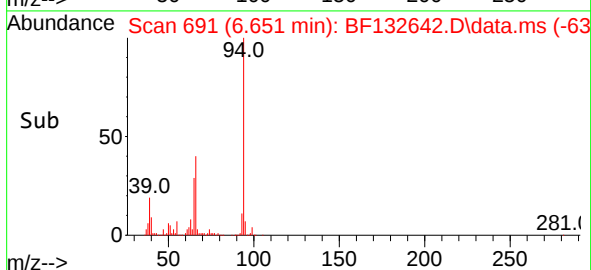
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

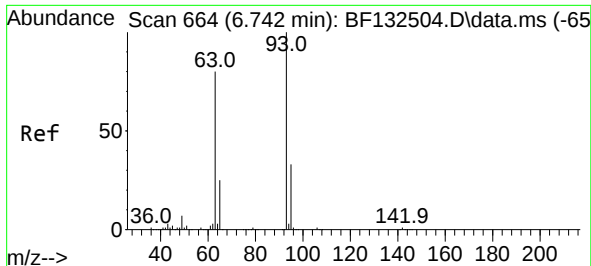


#10  
Phenol  
Concen: 40.137 ng  
RT: 6.651 min Scan# 691  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion: 94 Resp: 875594  
Ion Ratio Lower Upper  
94 100  
65 29.3 9.4 49.4  
66 39.6 19.8 59.8





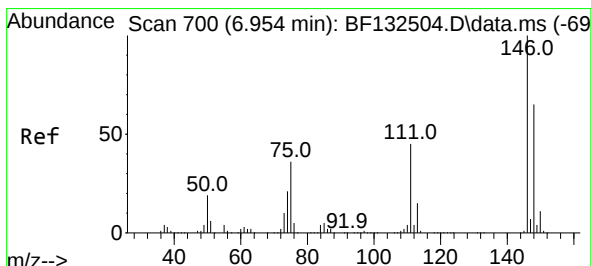
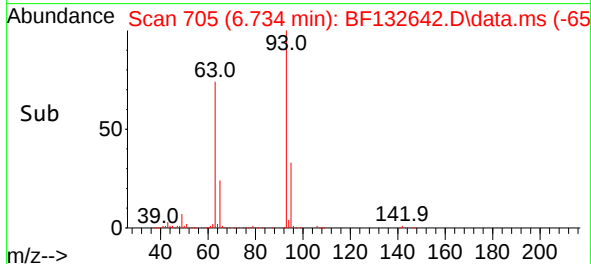
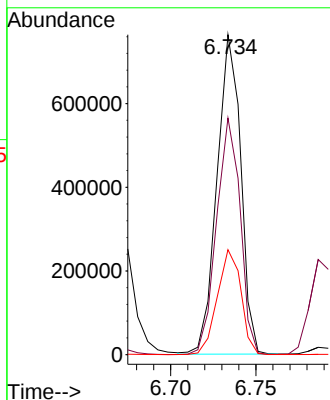
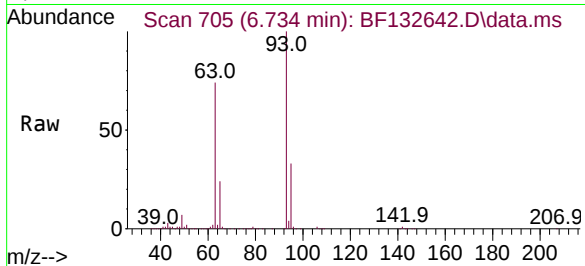
#11  
bis(2-Chloroethyl)ether  
Concen: 43.909 ng  
RT: 6.734 min Scan# 705  
Delta R.T. -0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
Client Sample Id :  
PB151188BS

Tgt Ion: 93 Resp: 739463  
Ion Ratio Lower Upper  
93 100  
63 73.9 59.6 99.6  
95 32.8 12.8 52.8

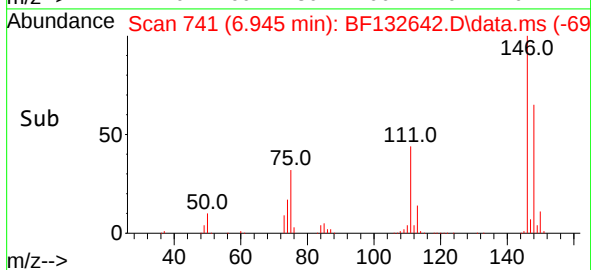
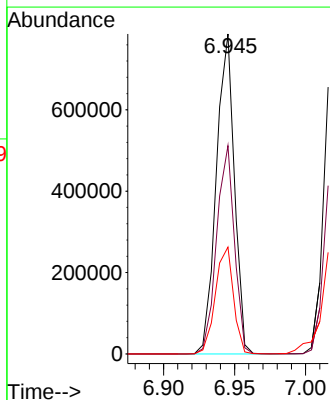
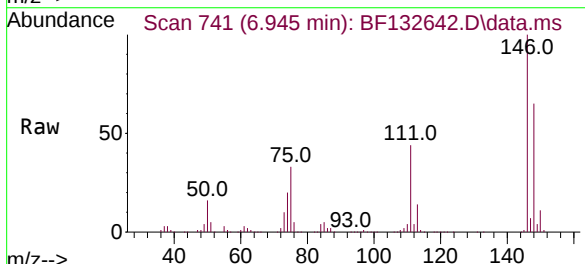
Manual Integrations  
APPROVED

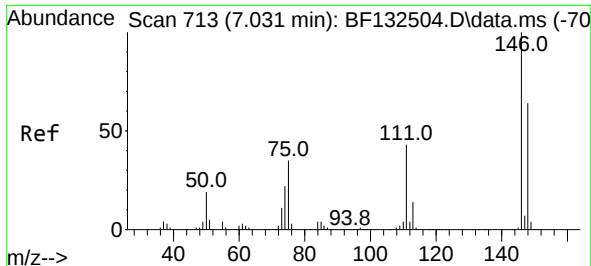
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#12  
1,3-Dichlorobenzene  
Concen: 42.891 ng  
RT: 6.945 min Scan# 741  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:146 Resp: 696489  
Ion Ratio Lower Upper  
146 100  
148 65.1 51.9 77.9  
75 33.4 28.9 43.3





#13

1,4-Dichlorobenzene

Concen: 42.686 ng

RT: 7.022 min Scan# 713

Delta R.T. -0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

Tgt Ion:146 Resp: 692138

Ion Ratio Lower Upper

146 100

148 64.6 51.1 76.7

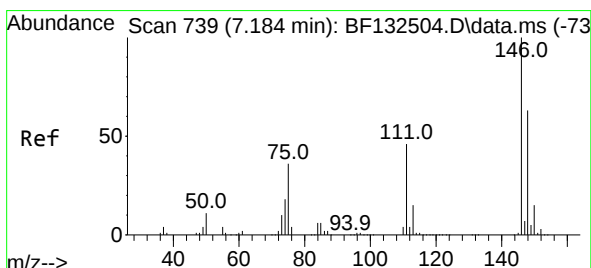
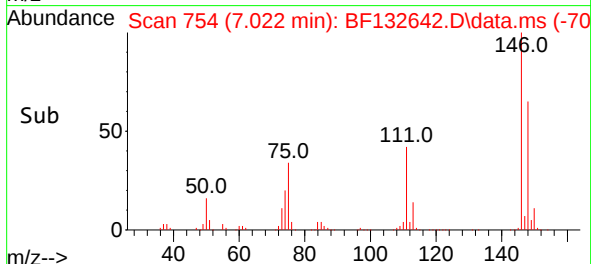
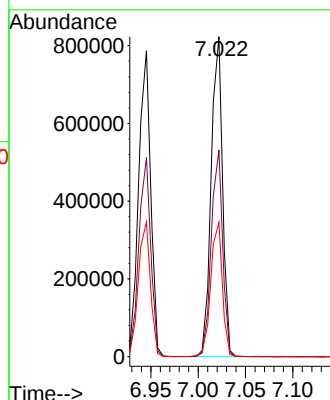
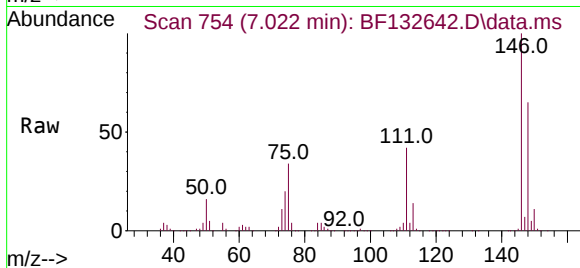
111 42.0 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#14

1,2-Dichlorobenzene

Concen: 43.730 ng

RT: 7.175 min Scan# 780

Delta R.T. -0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

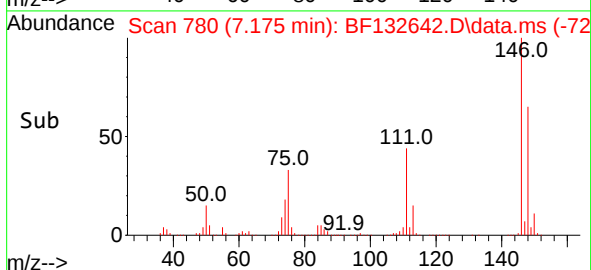
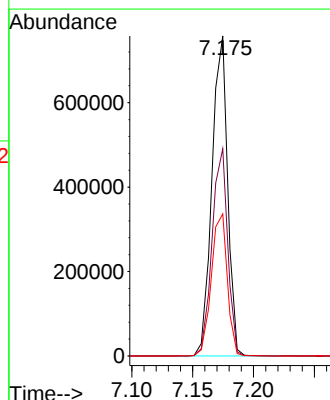
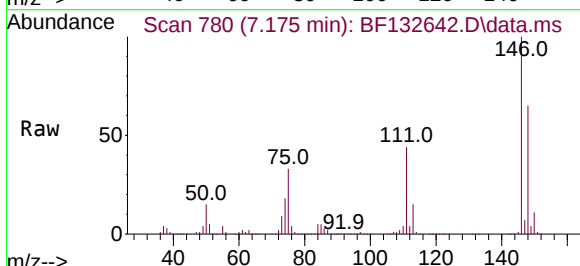
Tgt Ion:146 Resp: 680493

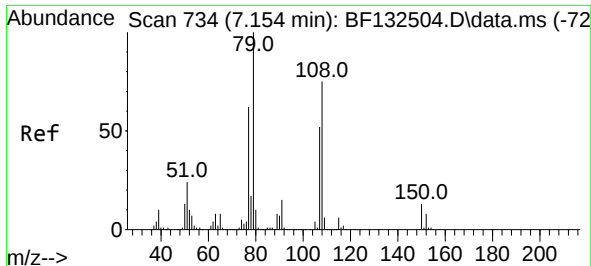
Ion Ratio Lower Upper

146 100

148 64.7 50.6 75.8

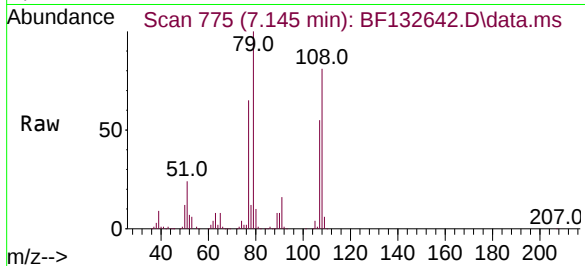
111 44.4 37.2 55.8





#15  
Benzyl Alcohol  
Concen: 42.771 ng  
RT: 7.145 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

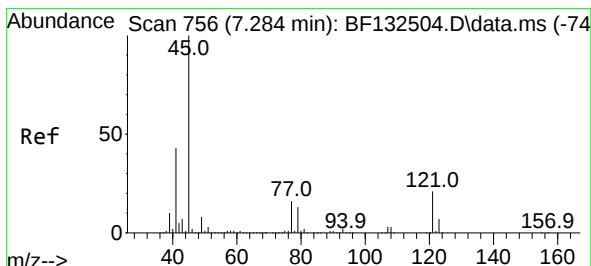
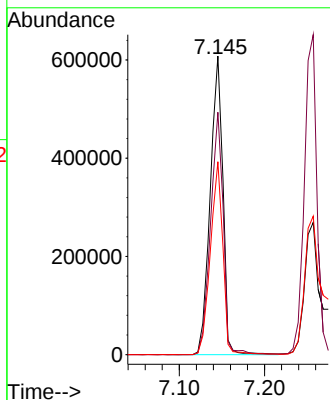
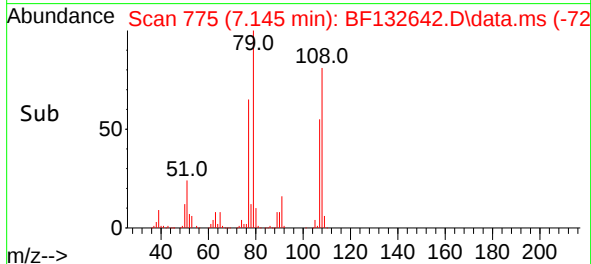
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



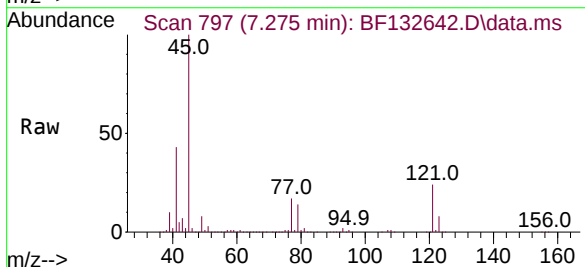
Tgt Ion: 79 Resp: 626791  
Ion Ratio Lower Upper  
79 100  
108 81.2 60.2 90.4  
77 64.7 49.9 74.9

Manual Integrations  
APPROVED

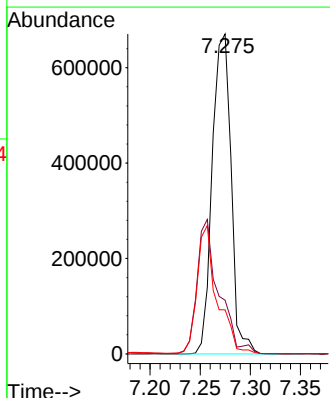
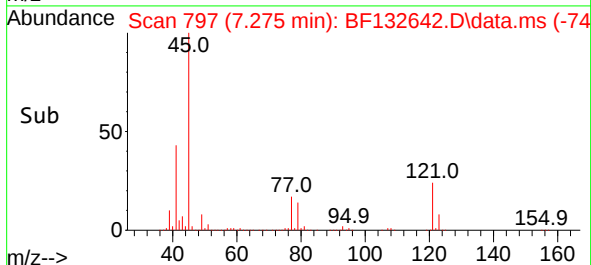
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

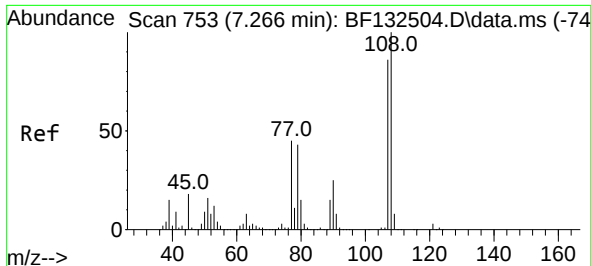


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.956 ng  
RT: 7.275 min Scan# 797  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



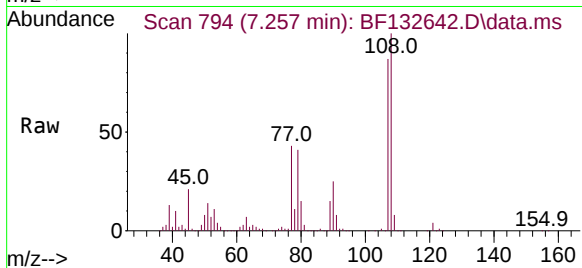
Tgt Ion: 45 Resp: 879567  
Ion Ratio Lower Upper  
45 100  
77 16.8 0.0 36.4  
79 13.8 0.0 33.4





#17  
2-Methylphenol  
Concen: 40.713 ng  
RT: 7.257 min Scan# 794  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

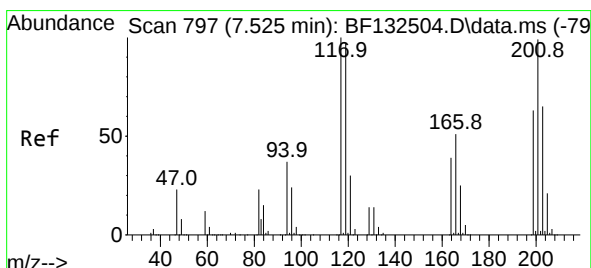
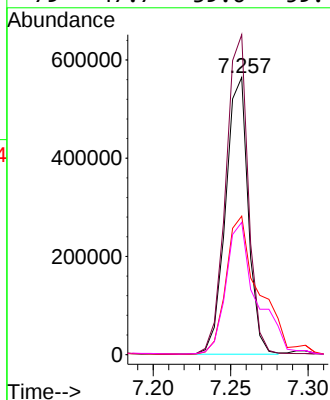
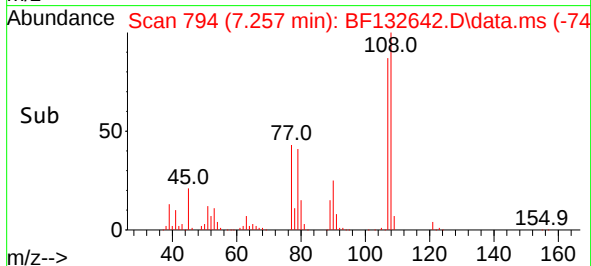
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



Tgt Ion:107 Resp: 574962  
Ion Ratio Lower Upper  
107 100  
108 115.4 93.0 139.4  
77 49.9 42.1 63.1  
79 47.7 39.6 59.4

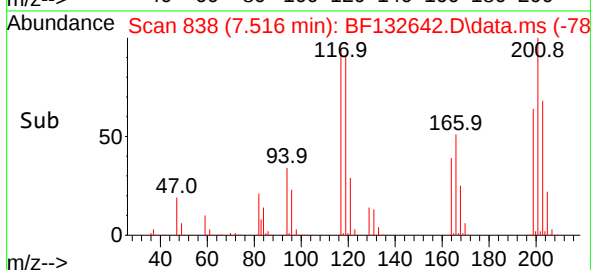
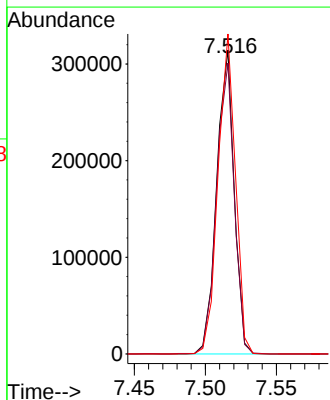
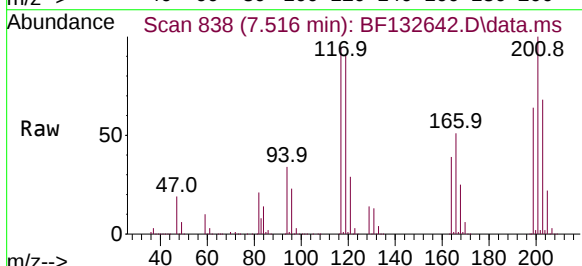
Manual Integrations  
APPROVED

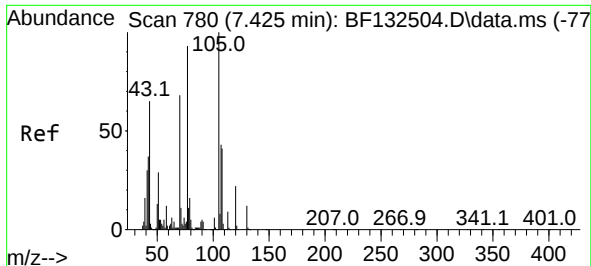
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#18  
Hexachloroethane  
Concen: 42.647 ng  
RT: 7.516 min Scan# 838  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

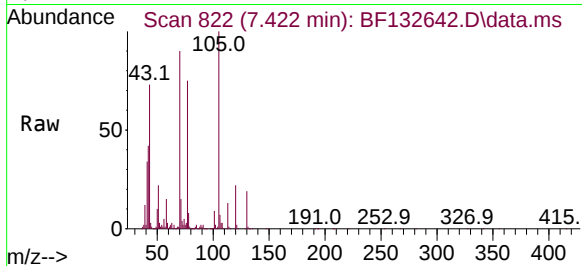
Tgt Ion:117 Resp: 270158  
Ion Ratio Lower Upper  
117 100  
119 95.6 78.0 117.0  
201 105.3 79.0 118.4





#19  
n-Nitroso-di-n-propylamine  
Concen: 37.764 ng  
RT: 7.422 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

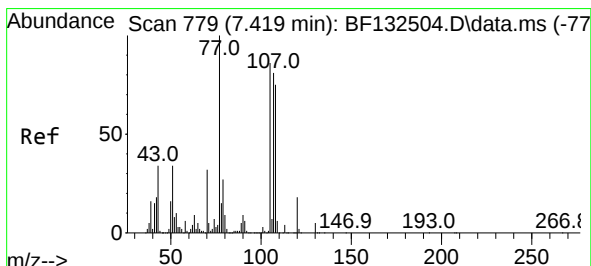
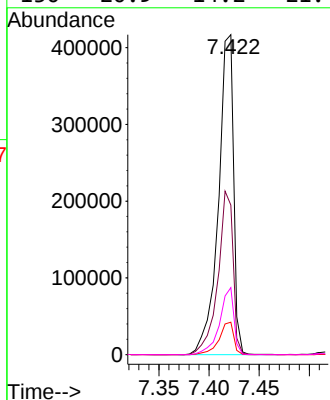
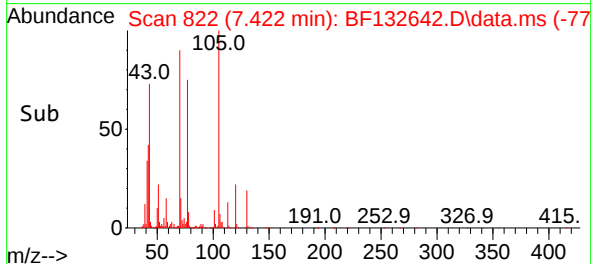
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



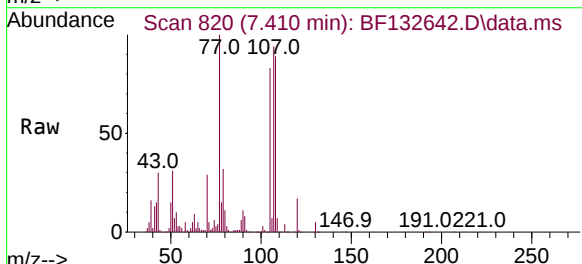
Tgt Ion: 70 Resp: 442244  
Ion Ratio Lower Upper  
70 100  
42 46.7 44.1 66.1  
101 10.1 7.4 11.2  
130 20.9 14.2 21.4

Manual Integrations  
APPROVED

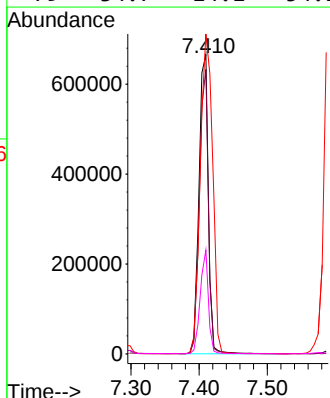
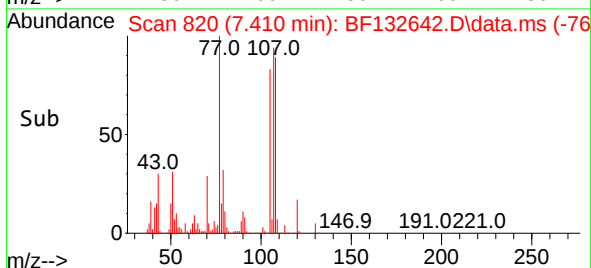
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#20  
3+4-Methylphenols  
Concen: 34.854 ng  
RT: 7.410 min Scan# 820  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:107 Resp: 635929  
Ion Ratio Lower Upper  
107 100  
108 95.0 72.6 112.6  
77 106.9 104.0 144.0  
79 34.7 14.1 54.1





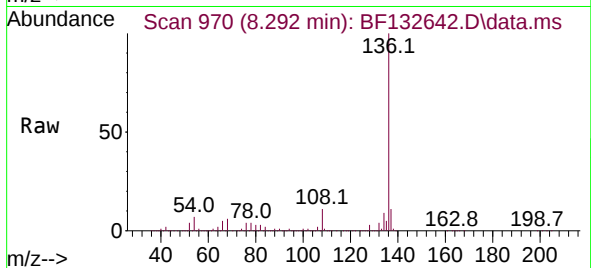
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.292 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

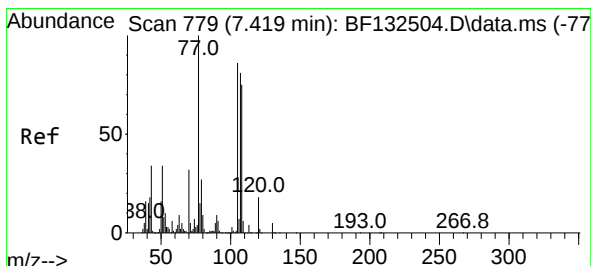
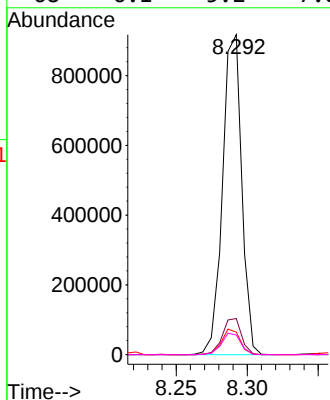
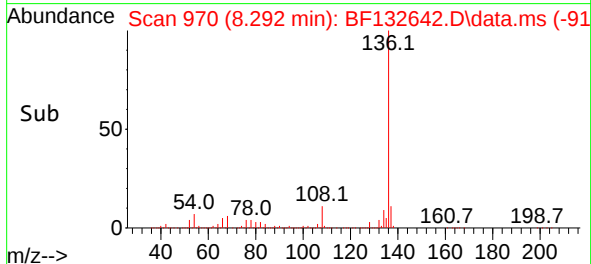


Tgt Ion:136 Resp: 864290  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.9 13.3  
54 7.0 6.2 9.4  
68 6.1 5.2 7.8

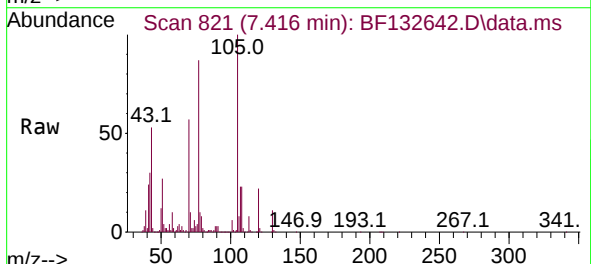
Manual Integrations

APPROVED

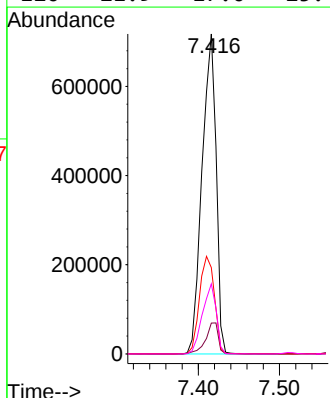
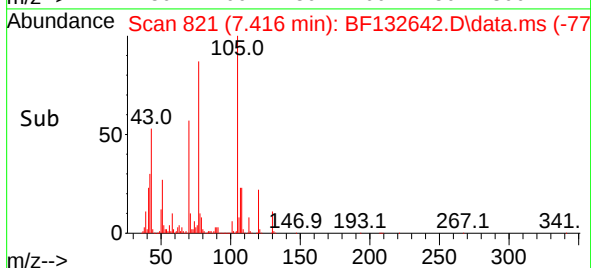
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

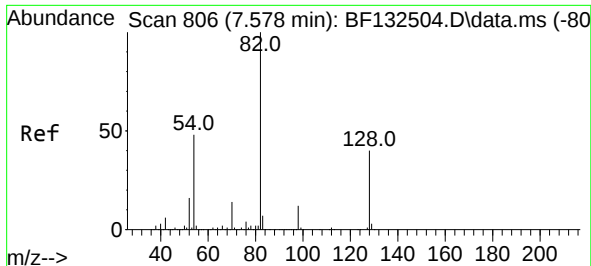


#22  
Acetophenone  
Concen: 39.752 ng  
RT: 7.416 min Scan# 821  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:105 Resp: 866345  
Ion Ratio Lower Upper  
105 100  
71 9.6 5.0 7.4#  
51 27.0 31.5 47.3#  
120 21.9 17.0 25.4





#23

Nitrobenzene-d5

Concen: 78.324 ng

RT: 7.575 min Scan# 84

Delta R.T. 0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

Tgt Ion: 82 Resp: 1426820

Ion Ratio Lower Upper

82 100

128 42.7 32.2 48.2

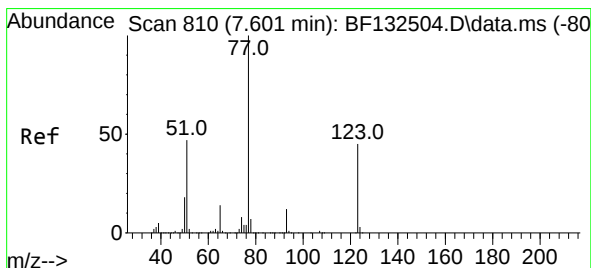
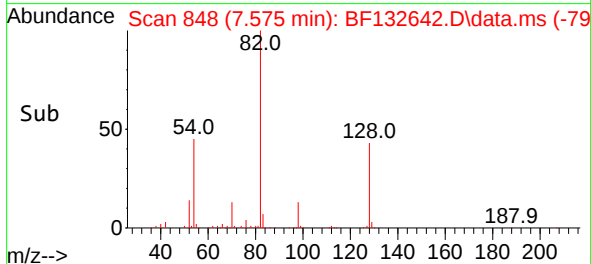
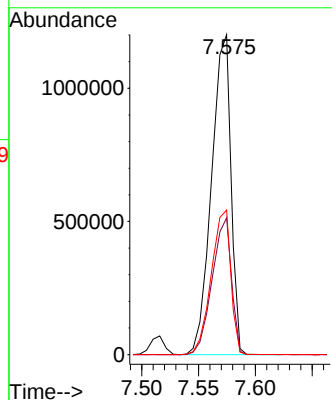
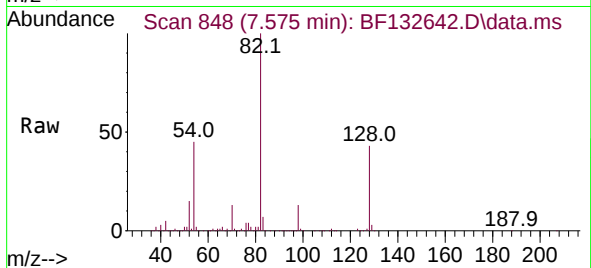
54 45.2 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#24

Nitrobenzene

Concen: 39.291 ng

RT: 7.592 min Scan# 851

Delta R.T. -0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

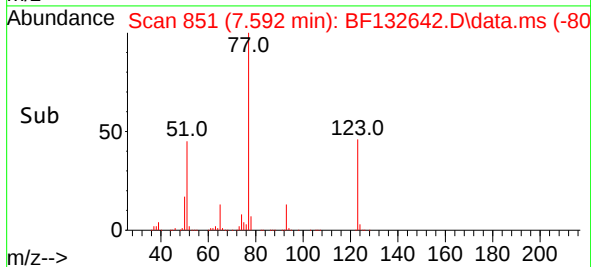
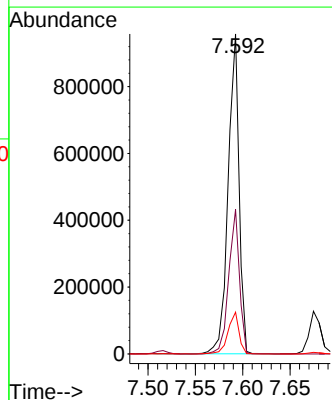
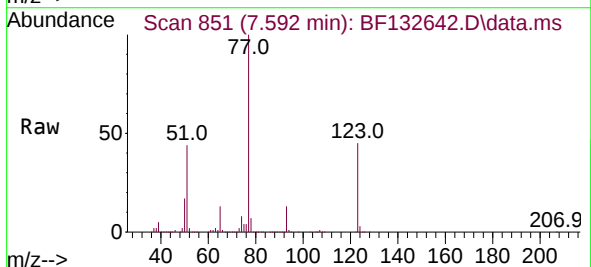
Tgt Ion: 77 Resp: 765488

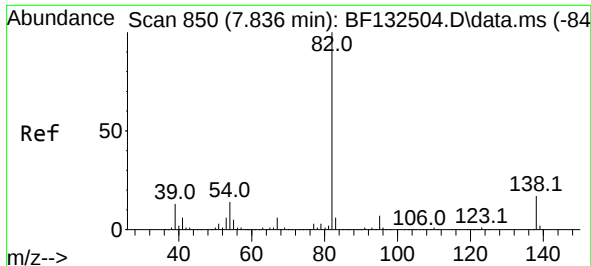
Ion Ratio Lower Upper

77 100

123 45.1 35.8 53.6

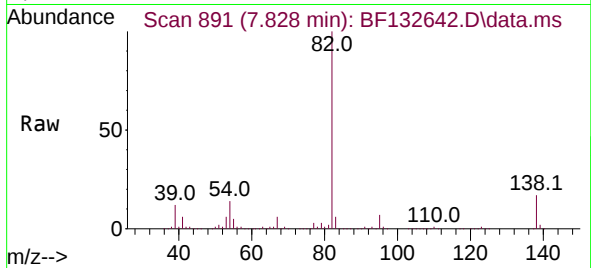
65 13.0 10.9 16.3





#25  
Isophorone  
Concen: 40.406 ng  
RT: 7.828 min Scan# 891  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

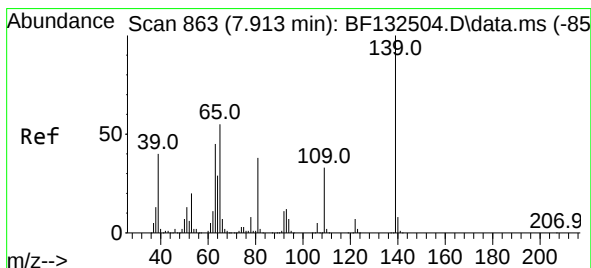
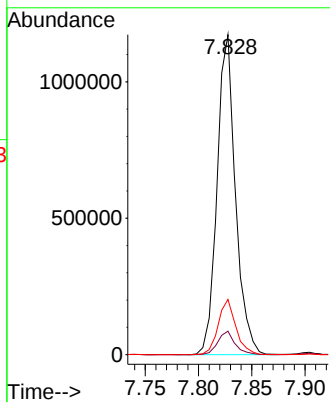
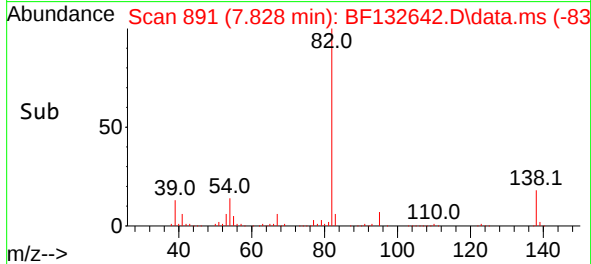
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



Tgt Ion: 82 Resp: 1411230  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.7 8.5  
138 17.2 13.3 19.9

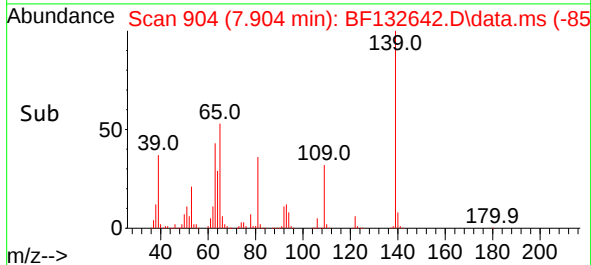
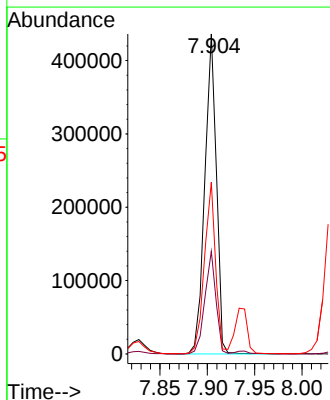
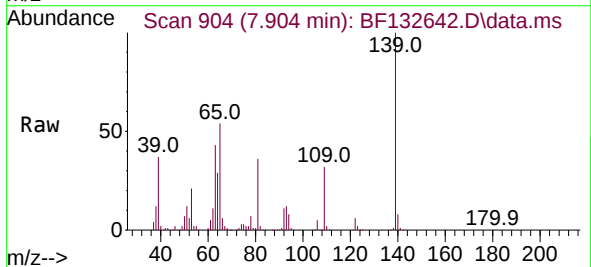
Manual Integrations  
APPROVED

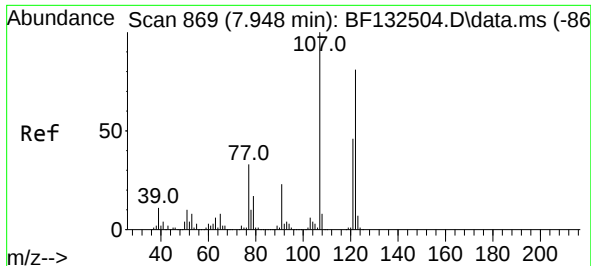
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#26  
2-Nitrophenol  
Concen: 43.342 ng  
RT: 7.904 min Scan# 904  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

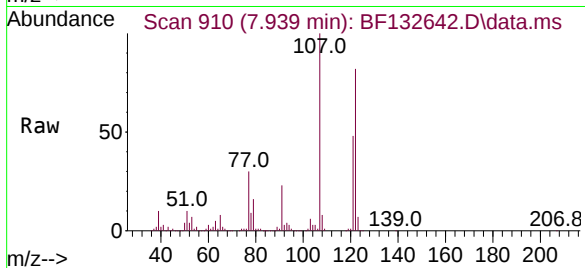
Tgt Ion:139 Resp: 372574  
Ion Ratio Lower Upper  
139 100  
109 32.1 26.2 39.2  
65 53.6 43.8 65.8





#27  
2,4-Dimethylphenol  
Concen: 41.578 ng  
RT: 7.939 min Scan# 911  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

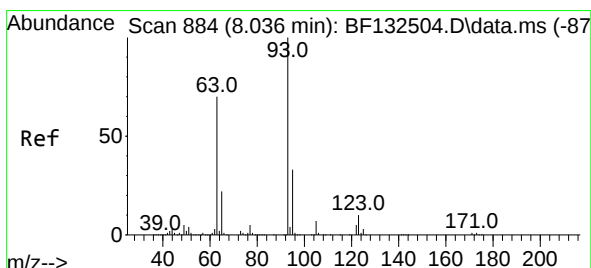
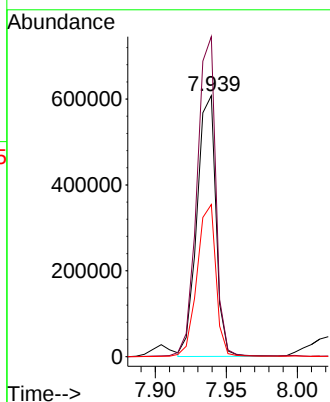
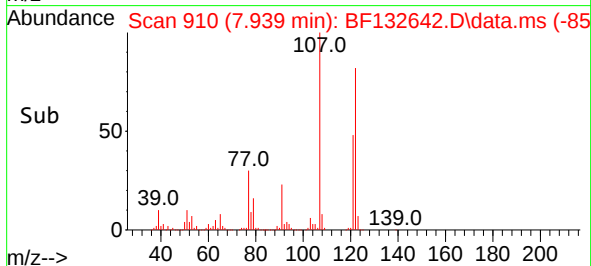
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



Tgt Ion:122 Resp: 564098  
Ion Ratio Lower Upper  
122 100  
107 122.7 98.7 148.1  
121 58.3 45.8 68.6

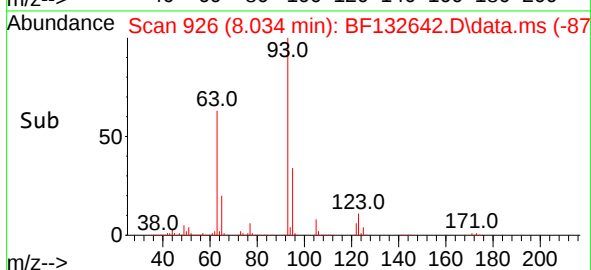
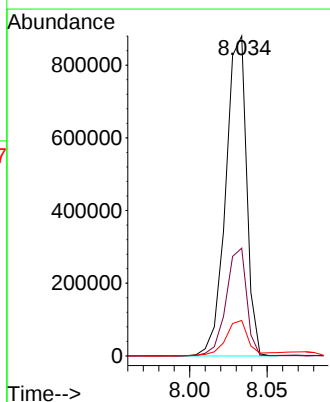
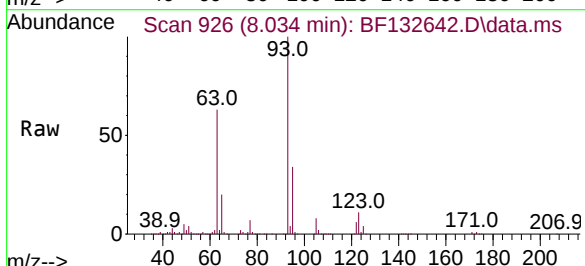
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.362 ng  
RT: 8.034 min Scan# 926  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

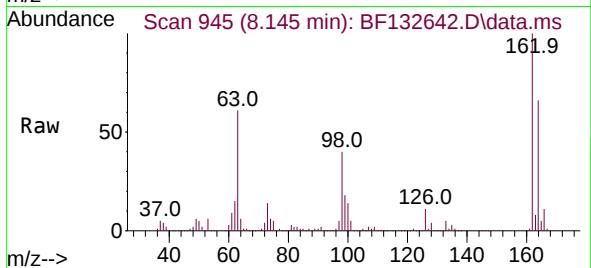
Tgt Ion: 93 Resp: 824636  
Ion Ratio Lower Upper  
93 100  
95 33.7 26.3 39.5  
123 11.1 8.3 12.5





#29  
2,4-Dichlorophenol  
Concen: 41.549 ng  
RT: 8.145 min Scan# 945  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

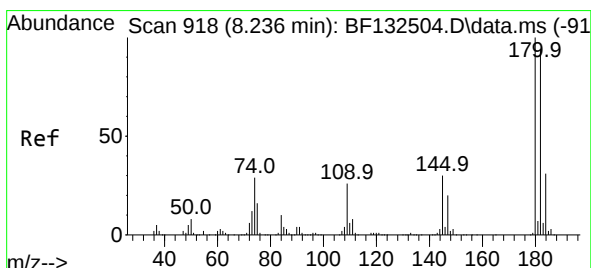
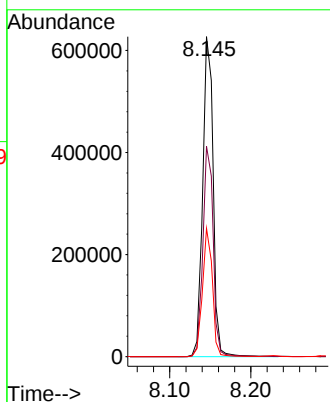
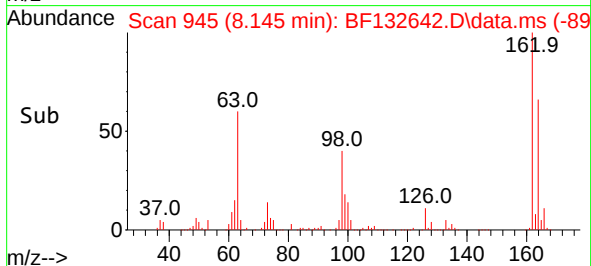
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



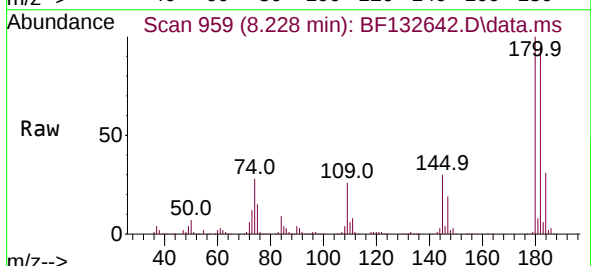
Tgt Ion:162 Resp: 560746  
Ion Ratio Lower Upper  
162 100  
164 65.7 45.3 85.3  
98 40.1 17.9 57.9

Manual Integrations  
APPROVED

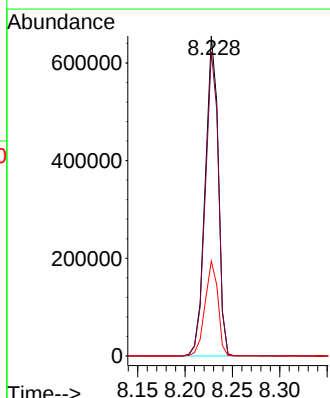
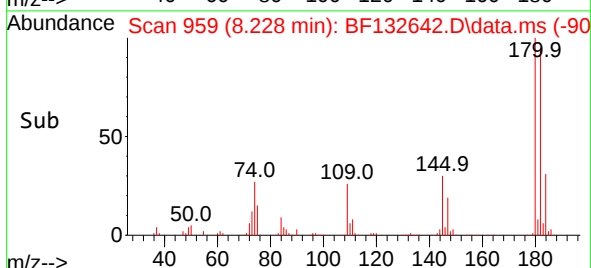
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 42.960 ng  
RT: 8.228 min Scan# 959  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



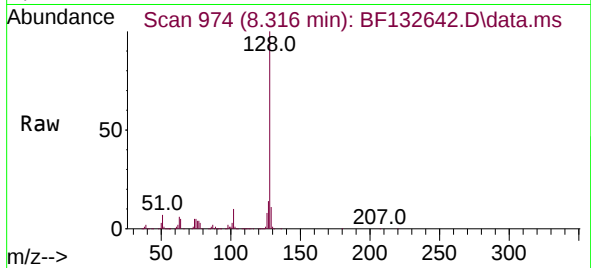
Tgt Ion:180 Resp: 629557  
Ion Ratio Lower Upper  
180 100  
182 95.0 75.1 112.7  
145 29.6 23.8 35.6





#31  
Naphthalene  
Concen: 39.257 ng  
RT: 8.316 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

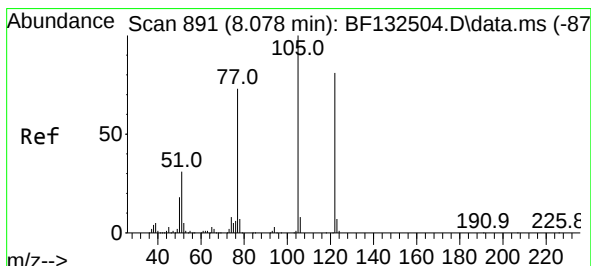
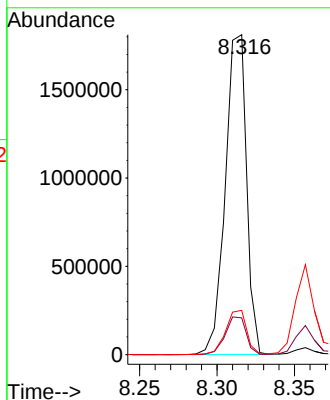
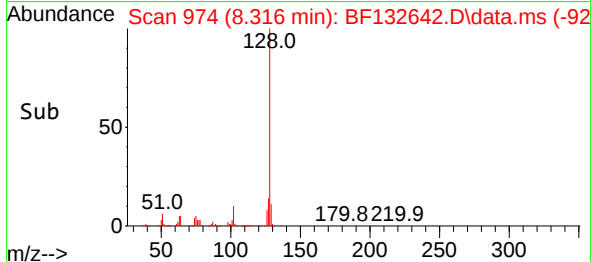
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



Tgt Ion:128 Resp: 1736959  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.1 13.7  
127 13.8 11.0 16.6

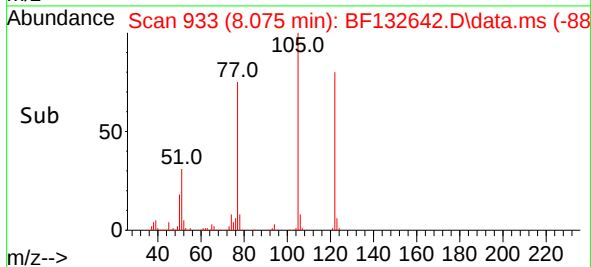
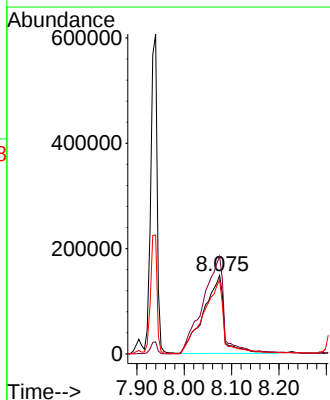
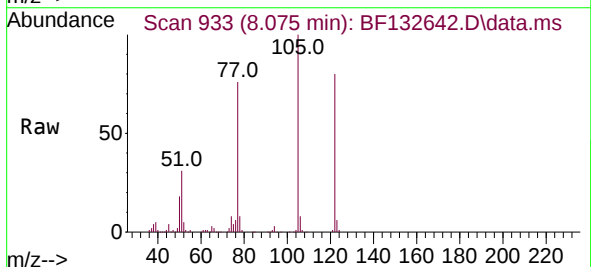
Manual Integrations  
APPROVED

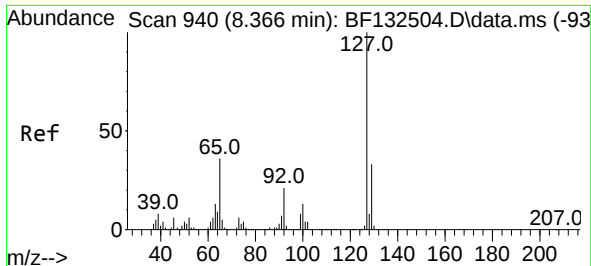
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#32  
Benzoic acid  
Concen: 42.684 ng  
RT: 8.075 min Scan# 933  
Delta R.T. 0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:122 Resp: 451411  
Ion Ratio Lower Upper  
122 100  
105 124.5 102.6 142.6  
77 94.3 70.2 110.2





#33  
4-Chloroaniline  
Concen: 27.285 ng  
RT: 8.357 min Scan# 981  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

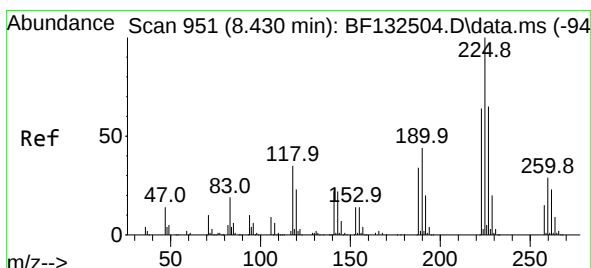
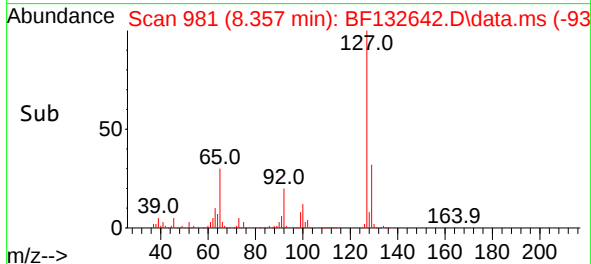
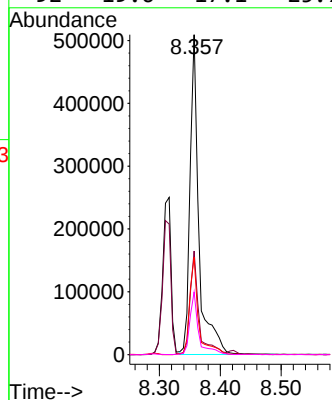
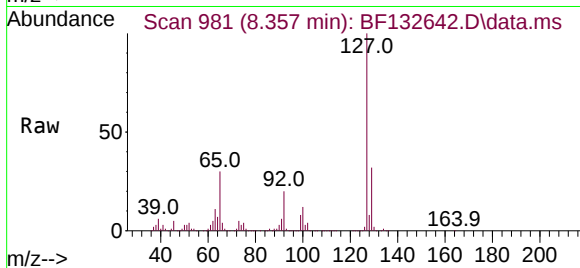
PB151188BS

Tgt Ion:127 Resp: 51732  
Ion Ratio Lower Upper  
127 100  
129 32.4 26.4 39.6  
65 30.4 28.8 43.2  
92 19.6 17.1 25.7

Manual Integrations

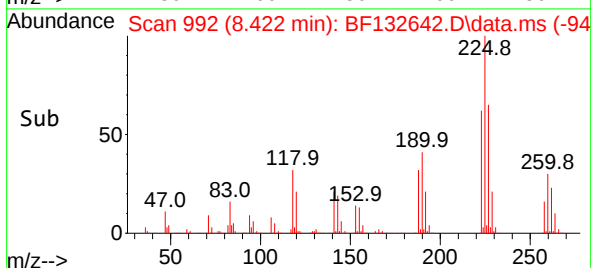
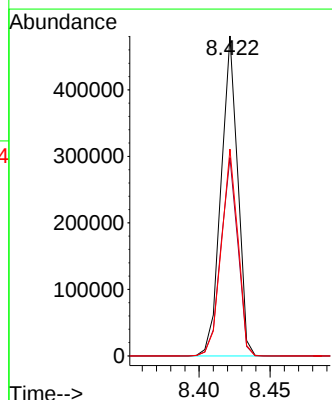
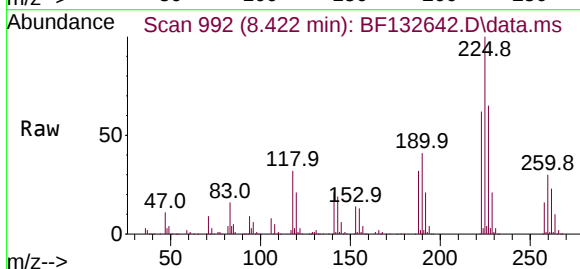
APPROVED

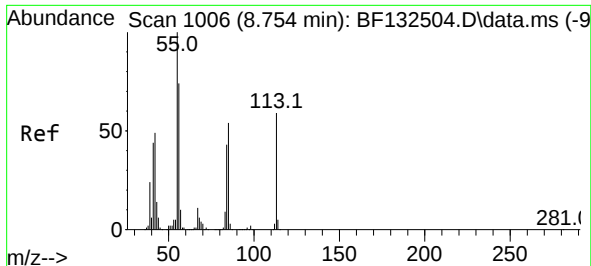
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#34  
Hexachlorobutadiene  
Concen: 42.174 ng  
RT: 8.422 min Scan# 992  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

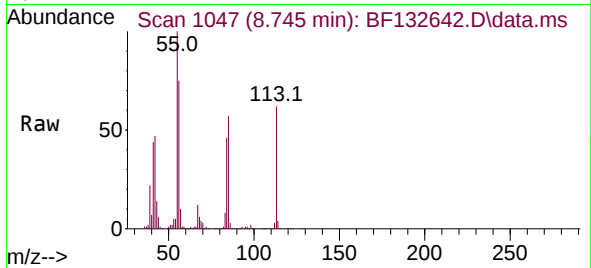
Tgt Ion:225 Resp: 392740  
Ion Ratio Lower Upper  
225 100  
223 62.0 51.0 76.4  
227 64.6 51.7 77.5





#35  
Caprolactam  
Concen: 44.843 ng m  
RT: 8.745 min Scan# 1006  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

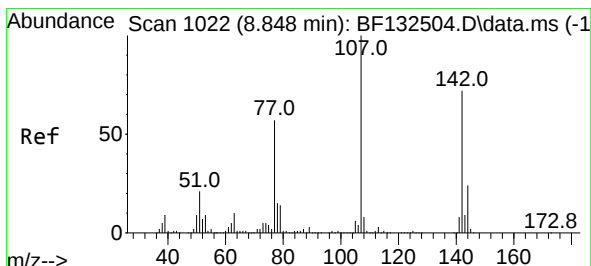
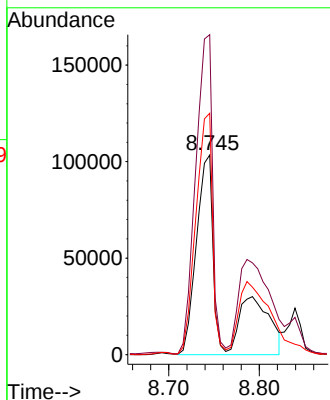
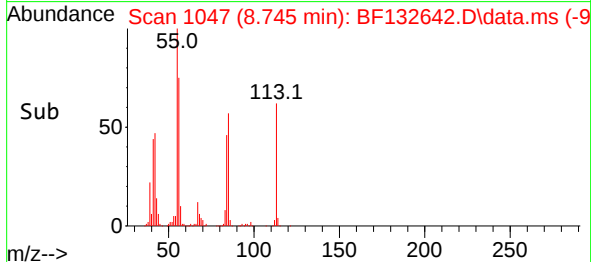
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



Tgt Ion:113 Resp: 199518  
Ion Ratio Lower Upper  
113 100  
55 160.3 149.4 189.4  
56 120.9 105.0 145.0

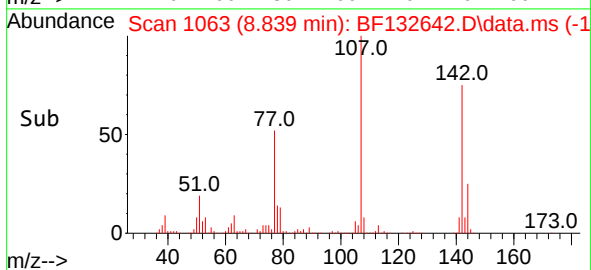
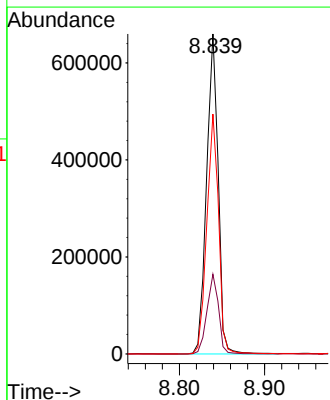
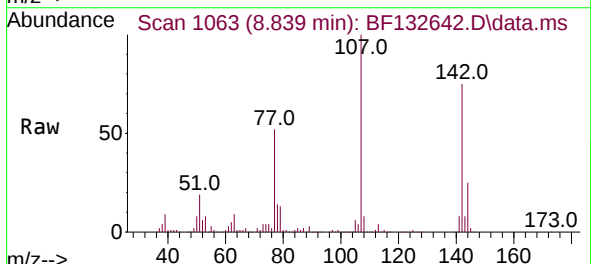
Manual Integrations  
APPROVED

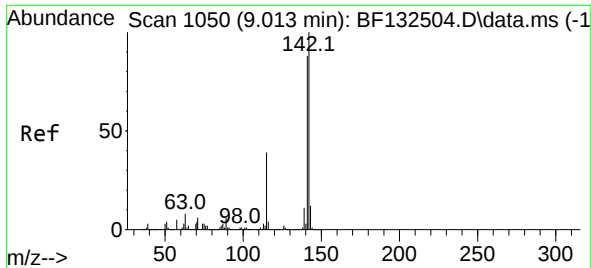
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#36  
4-Chloro-3-methylphenol  
Concen: 41.966 ng  
RT: 8.839 min Scan# 1063  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:107 Resp: 621995  
Ion Ratio Lower Upper  
107 100  
144 24.9 18.9 28.3  
142 74.9 57.9 86.9





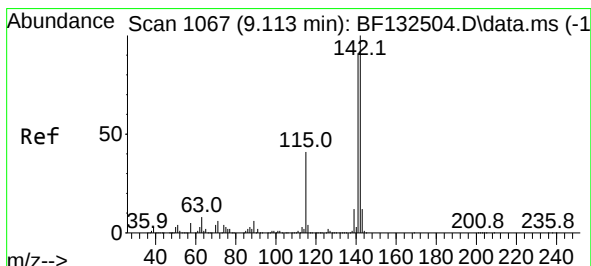
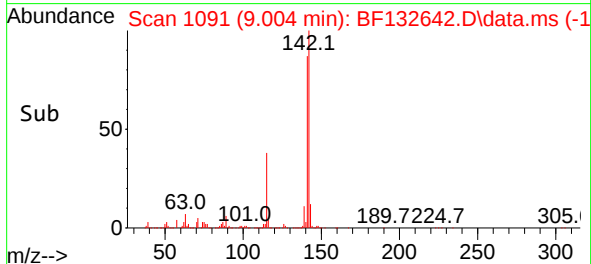
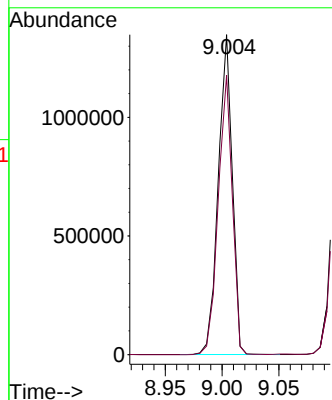
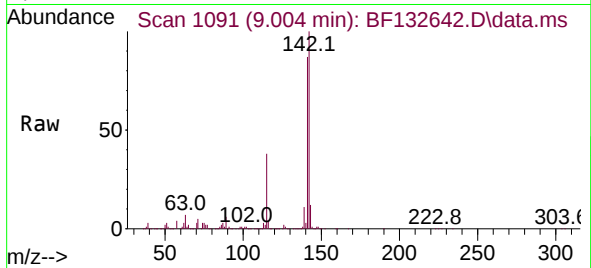
#37  
2-Methylnaphthalene  
Concen: 38.346 ng  
RT: 9.004 min Scan# 1108  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:142 Resp: 1156256  
Ion Ratio Lower Upper  
142 100  
141 87.3 70.2 105.2

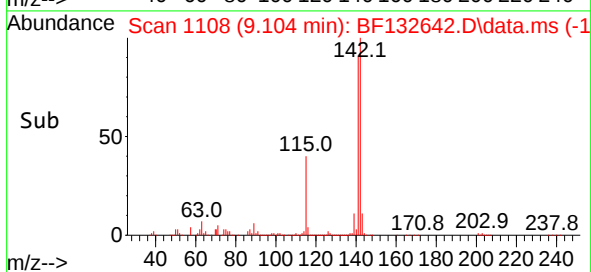
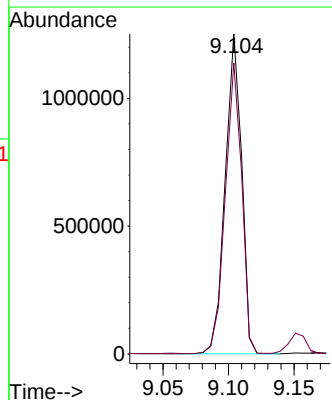
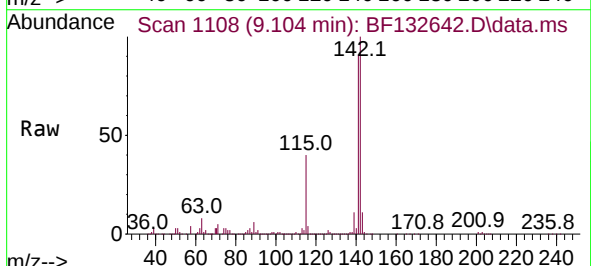
Manual Integrations  
APPROVED

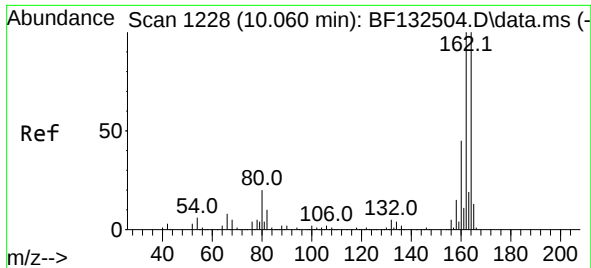
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#38  
1-Methylnaphthalene  
Concen: 38.741 ng  
RT: 9.104 min Scan# 1108  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

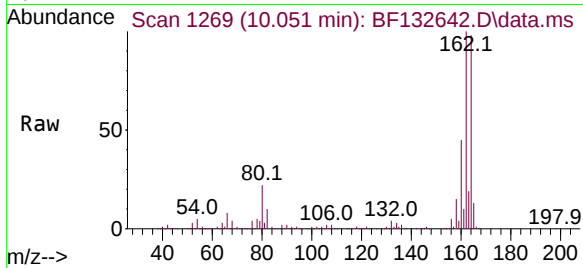
Tgt Ion:142 Resp: 1091699  
Ion Ratio Lower Upper  
142 100  
141 90.9 73.0 109.6





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.051 min Scan# 1119  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

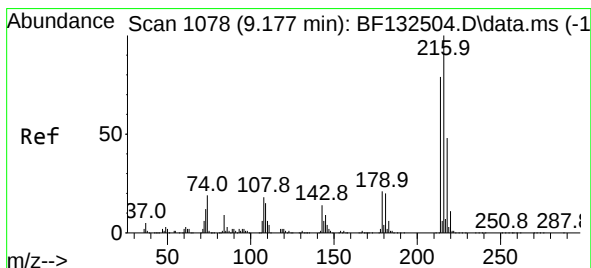
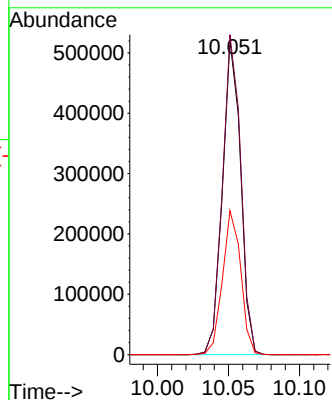
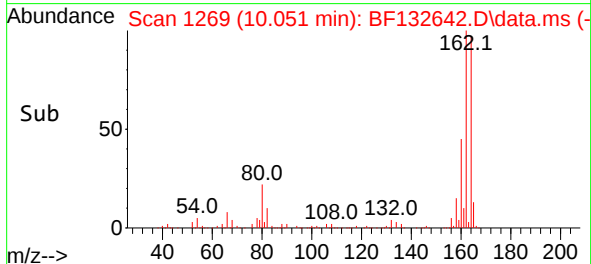
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



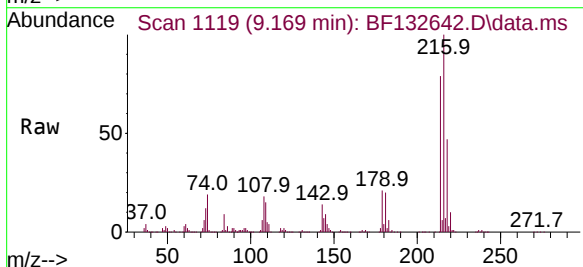
Tgt Ion:164 Resp: 461909  
Ion Ratio Lower Upper  
164 100  
162 101.8 79.8 119.8  
160 45.7 35.8 53.6

Manual Integrations  
APPROVED

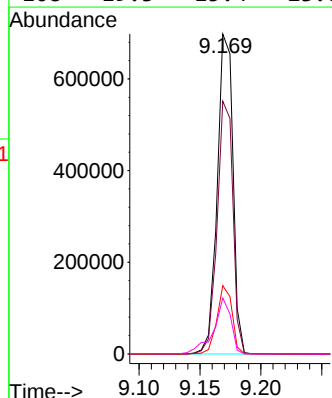
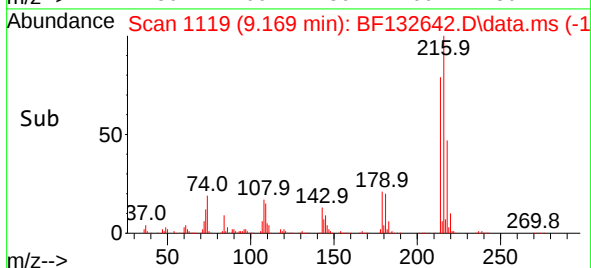
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

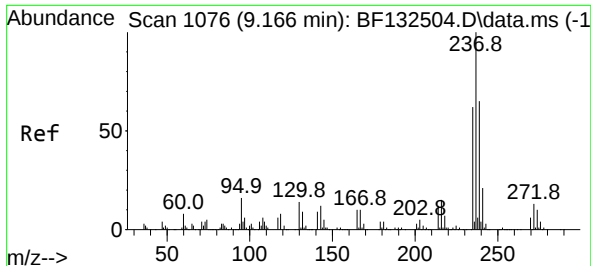


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.479 ng  
RT: 9.169 min Scan# 1119  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



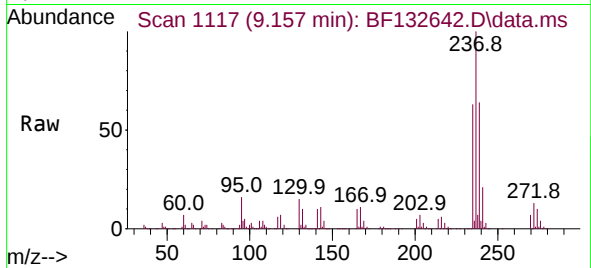
Tgt Ion:216 Resp: 626853  
Ion Ratio Lower Upper  
216 100  
214 79.0 63.0 94.6  
179 20.4 16.6 24.8  
108 19.3 15.4 23.0





#41  
Hexachlorocyclopentadiene  
Concen: 78.535 ng  
RT: 9.157 min Scan# 1117  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

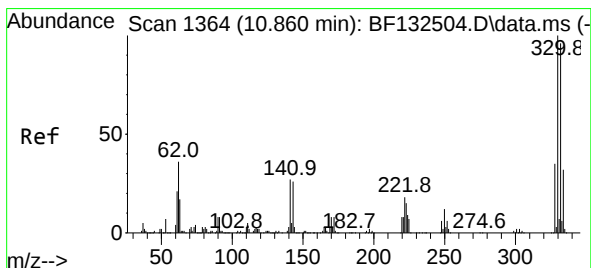
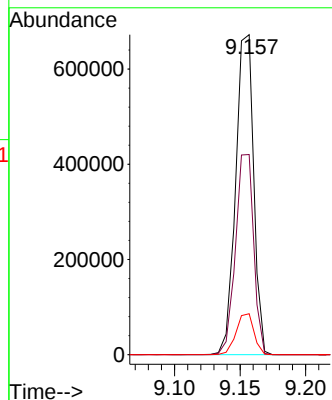
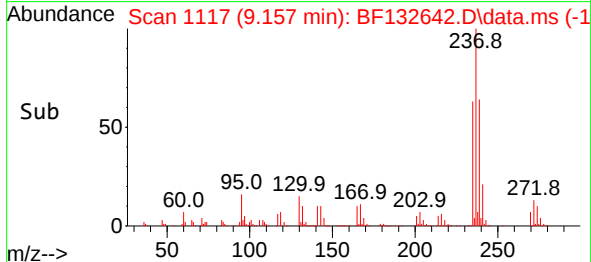
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



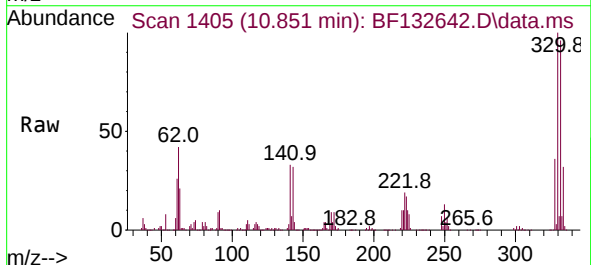
Tgt Ion:237 Resp: 643742  
Ion Ratio Lower Upper  
237 100  
235 62.5 42.4 82.4  
272 12.8 0.0 32.7

Manual Integrations  
APPROVED

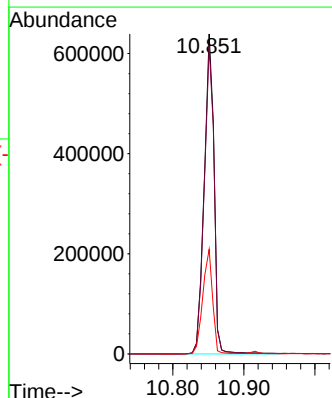
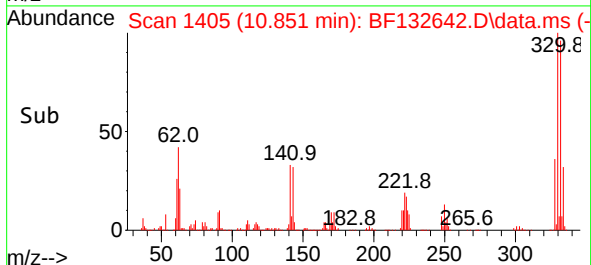
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

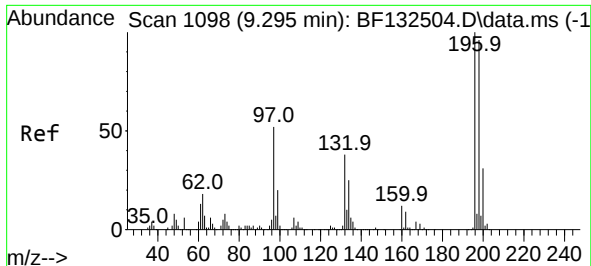


#42  
2,4,6-Tribromophenol  
Concen: 122.421 ng  
RT: 10.851 min Scan# 1405  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



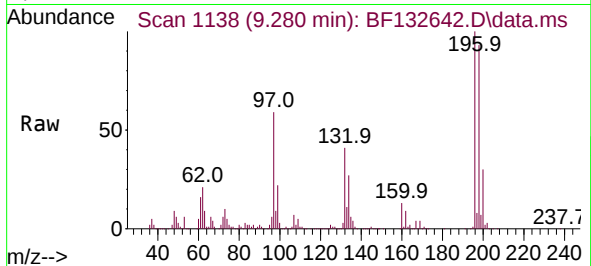
Tgt Ion:330 Resp: 610688  
Ion Ratio Lower Upper  
330 100  
332 97.2 76.2 114.4  
141 32.5 28.4 42.6





#43  
2,4,6-Trichlorophenol  
Concen: 42.074 ng  
RT: 9.280 min Scan# 1118  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

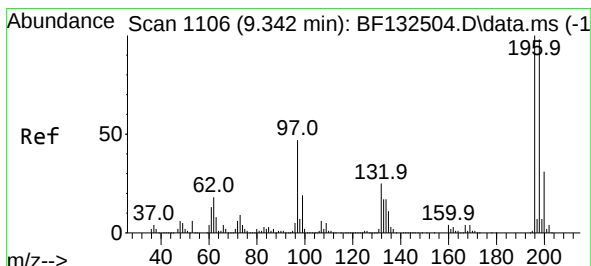
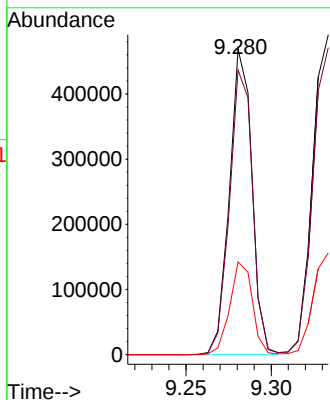
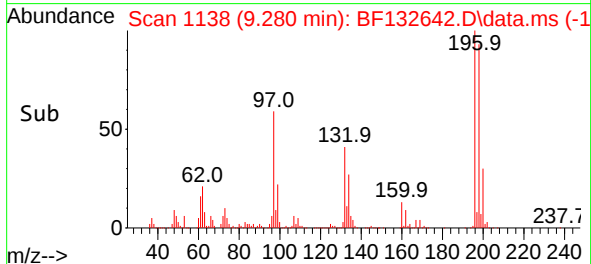
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



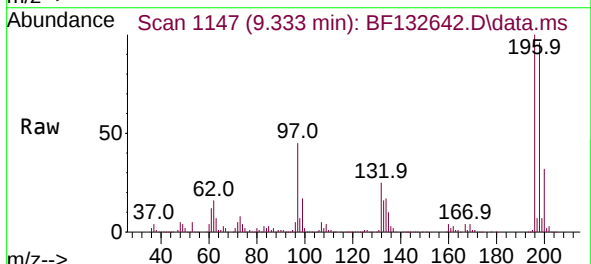
Tgt Ion:196 Resp: 430910  
Ion Ratio Lower Upper  
196 100  
198 93.2 77.1 115.7  
200 30.4 25.0 37.4

Manual Integrations  
APPROVED

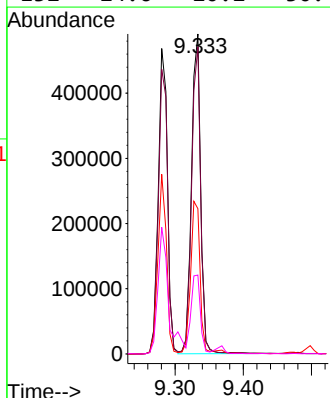
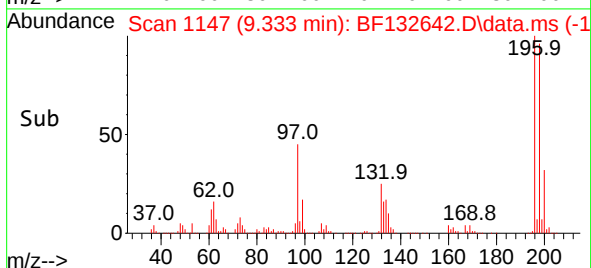
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

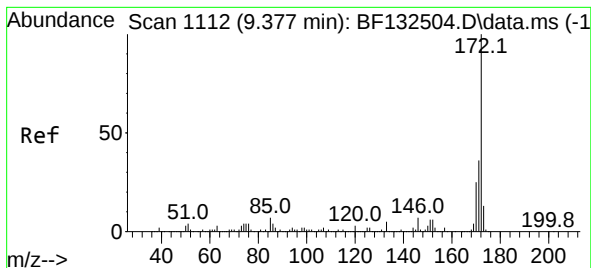


#44  
2,4,5-Trichlorophenol  
Concen: 38.455 ng  
RT: 9.333 min Scan# 1147  
Delta R.T. 0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:196 Resp: 459668  
Ion Ratio Lower Upper  
196 100  
198 96.0 78.3 117.5  
97 45.4 38.1 57.1  
132 24.6 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 72.470 ng

RT: 9.369 min Scan# 1113

Delta R.T. -0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

Tgt Ion:172 Resp: 219841

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

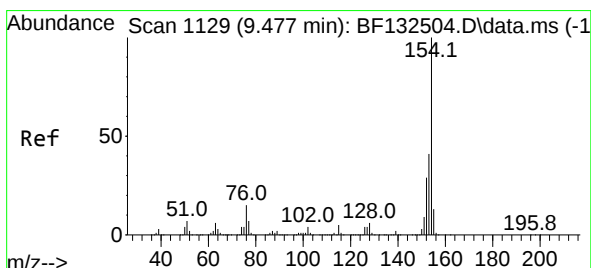
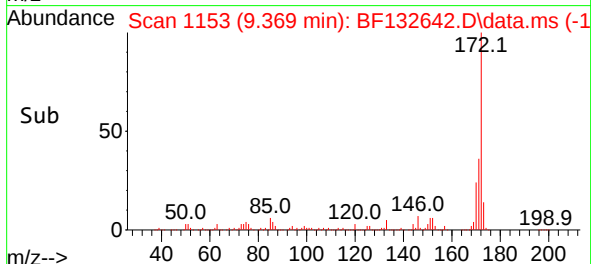
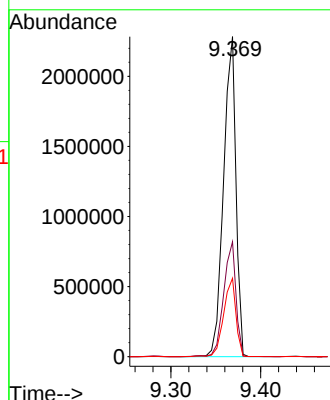
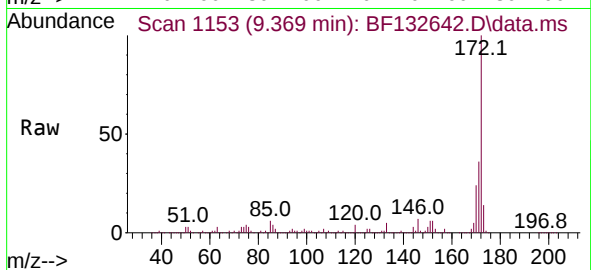
170 24.5 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#46

1,1'-Biphenyl

Concen: 40.285 ng

RT: 9.469 min Scan# 1170

Delta R.T. -0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

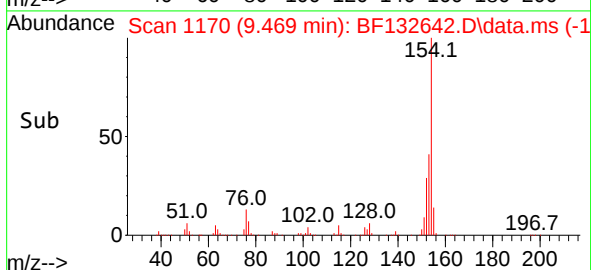
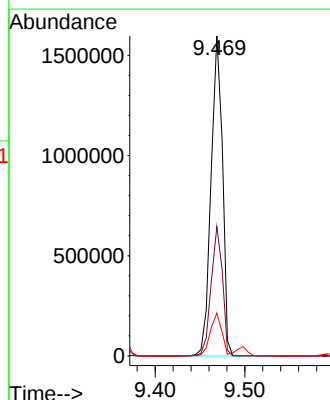
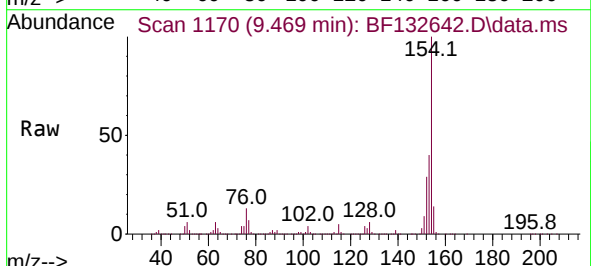
Tgt Ion:154 Resp: 1408398

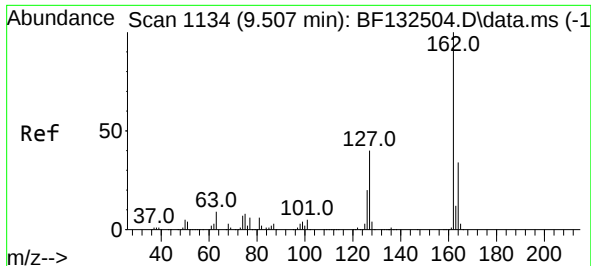
Ion Ratio Lower Upper

154 100

153 40.5 20.9 60.9

76 13.3 0.0 34.7





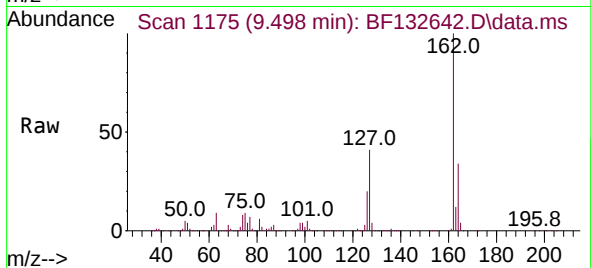
#47  
2-Chloronaphthalene  
Concen: 41.153 ng  
RT: 9.498 min Scan# 11175  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

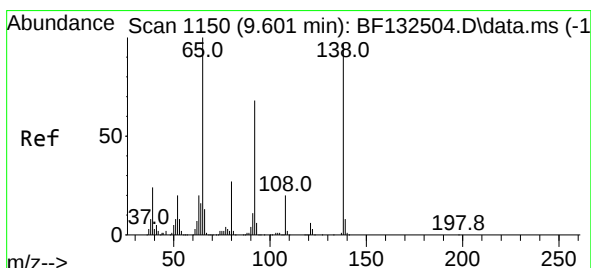
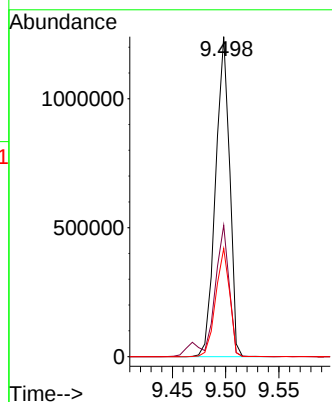
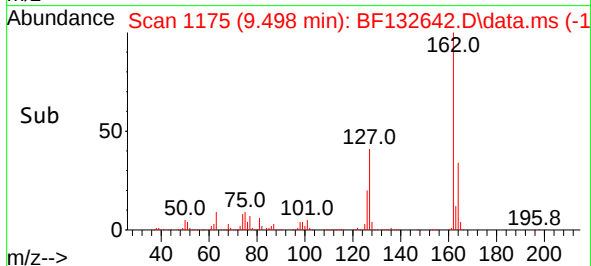


Tgt Ion:162 Resp: 1140722  
Ion Ratio Lower Upper  
162 100  
127 41.0 32.3 48.5  
164 33.8 26.9 40.3

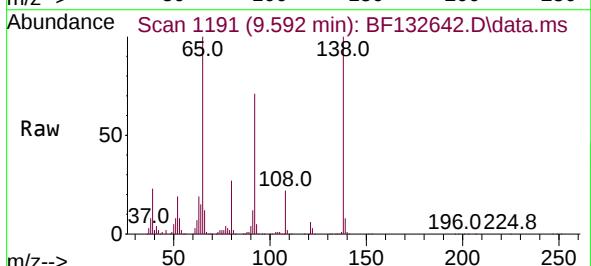
Manual Integrations

APPROVED

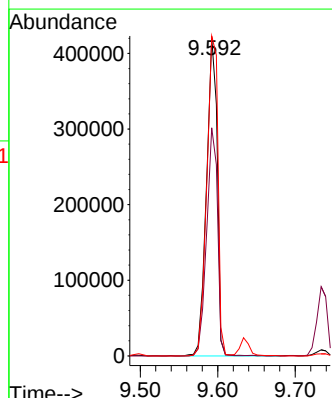
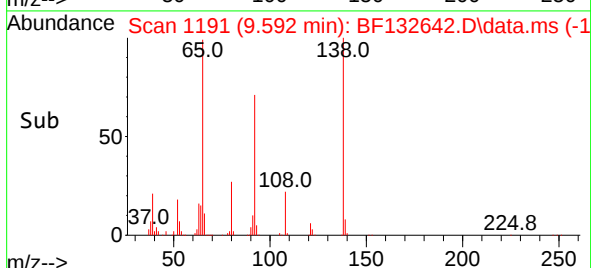
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

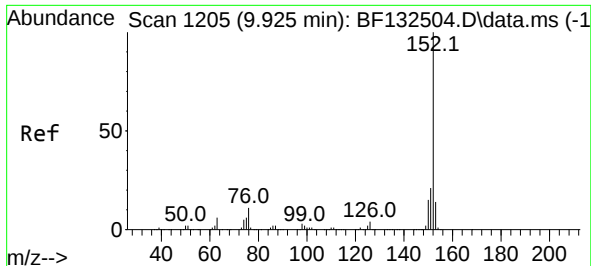


#48  
2-Nitroaniline  
Concen: 39.540 ng  
RT: 9.592 min Scan# 11191  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion: 65 Resp: 403663  
Ion Ratio Lower Upper  
65 100  
92 71.6 54.5 81.7  
138 100.5 77.2 115.8





#49

Acenaphthylene

Concen: 39.616 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

Tgt Ion:152 Resp: 1747658

Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

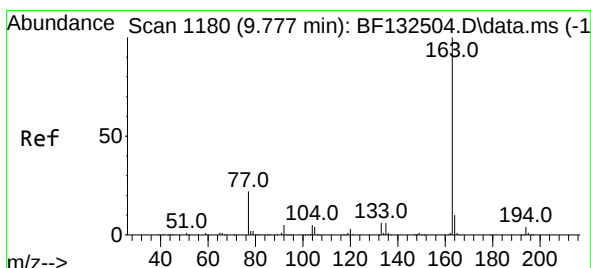
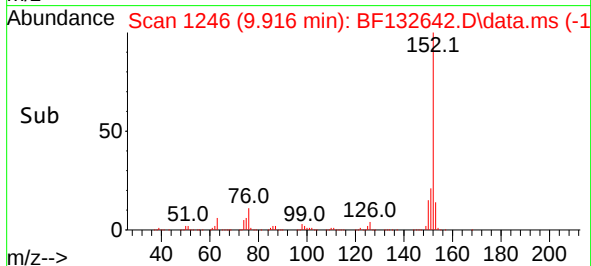
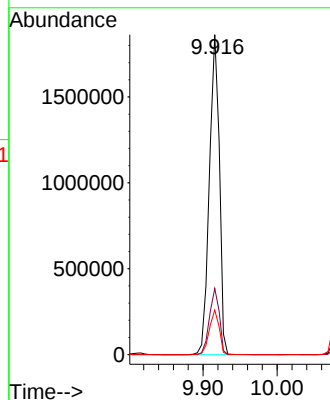
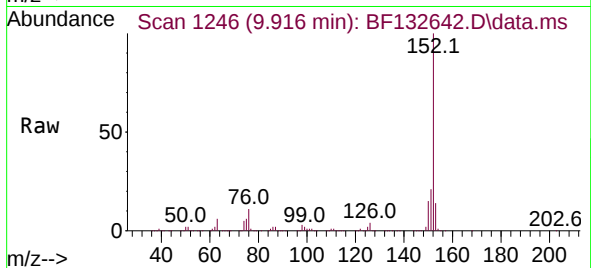
153 13.9 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#50

Dimethylphthalate

Concen: 40.741 ng

RT: 9.769 min Scan# 1221

Delta R.T. -0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

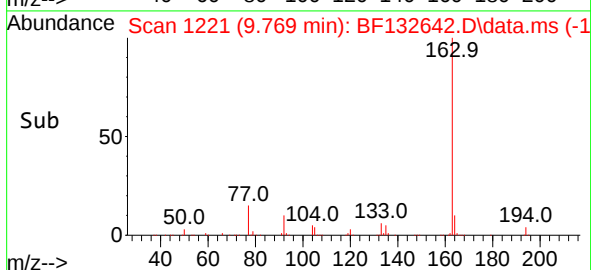
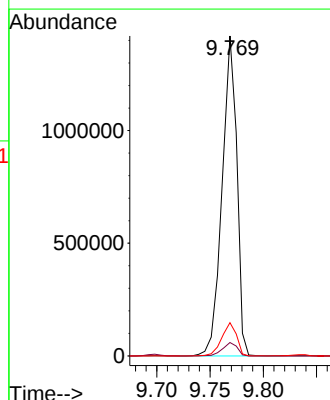
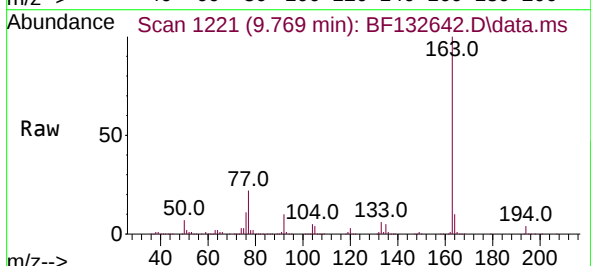
Tgt Ion:163 Resp: 1370238

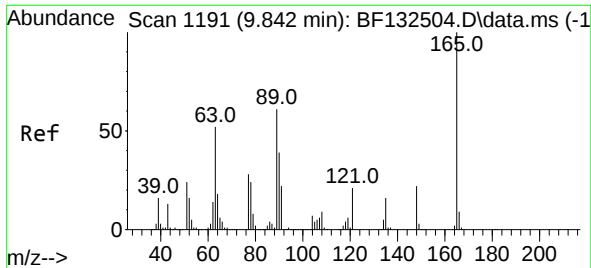
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.4 8.3 12.5





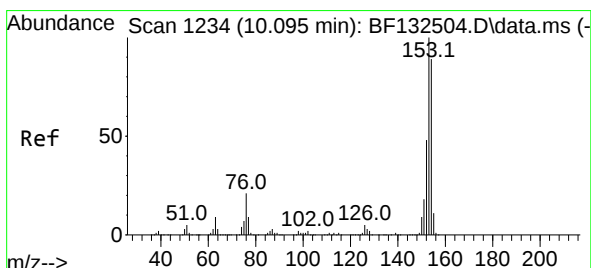
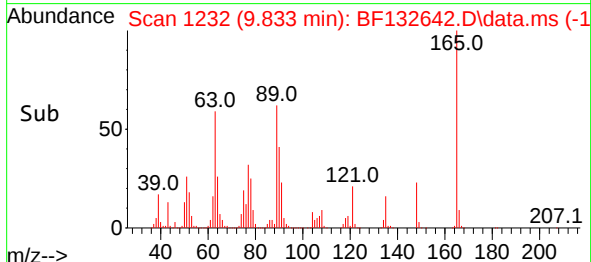
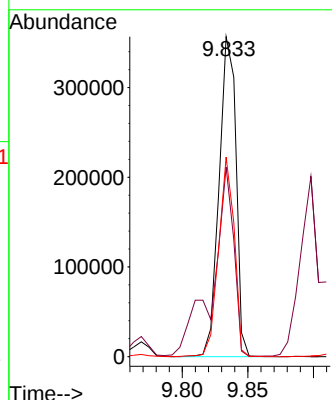
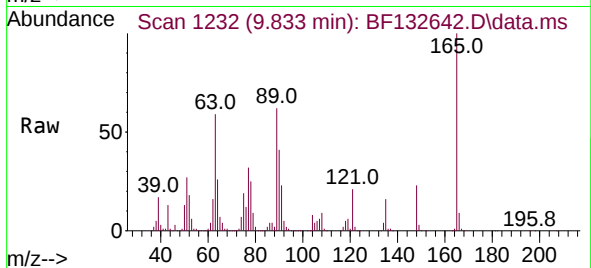
#51  
2,6-Dinitrotoluene  
Concen: 41.883 ng  
RT: 9.833 min Scan# 1191  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:165 Resp: 320804  
Ion Ratio Lower Upper  
165 100  
63 59.2 47.3 70.9  
89 62.3 48.9 73.3

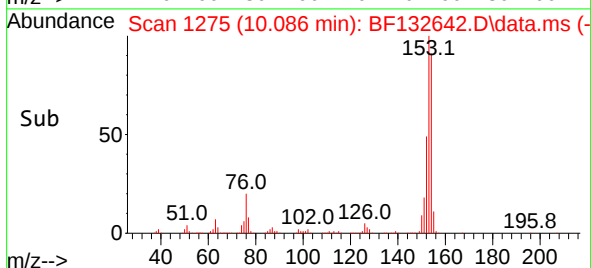
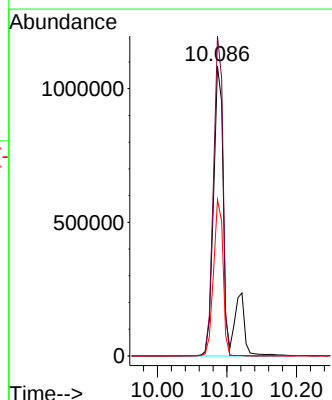
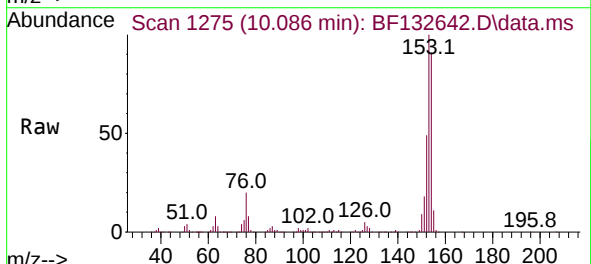
Manual Integrations  
APPROVED

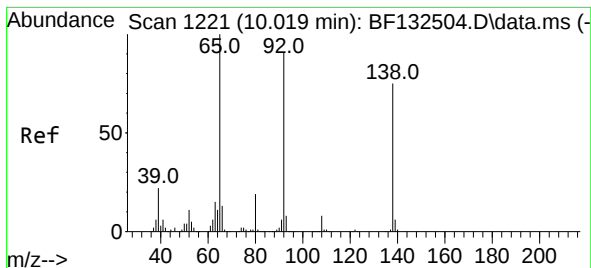
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#52  
Acenaphthene  
Concen: 45.206 ng m  
RT: 10.086 min Scan# 1275  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

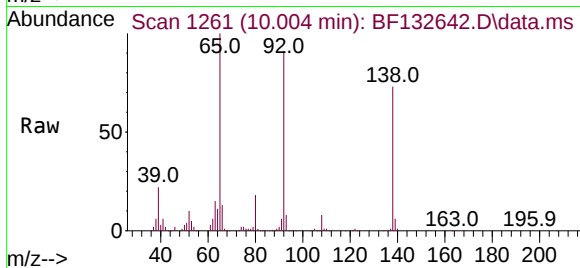
Tgt Ion:154 Resp: 1266346  
Ion Ratio Lower Upper  
154 100  
153 110.4 89.8 134.8  
152 53.9 43.3 64.9





#53  
3-Nitroaniline  
Concen: 31.787 ng  
RT: 10.004 min Scan# 1261  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

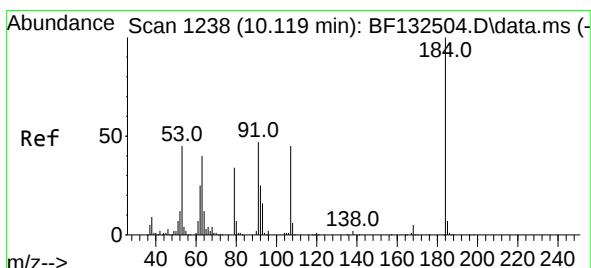
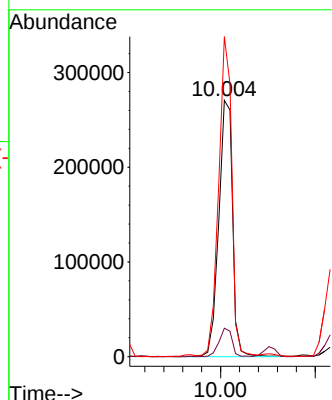
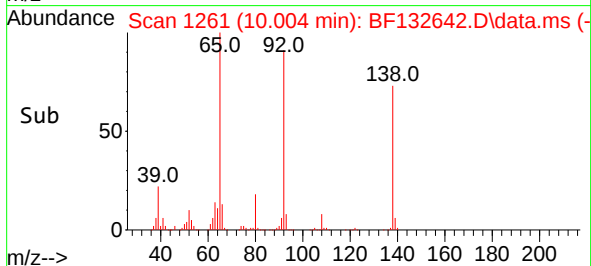
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



Tgt Ion:138 Resp: 272358  
Ion Ratio Lower Upper  
138 100  
108 11.1 8.1 12.1  
92 124.9 97.2 145.8

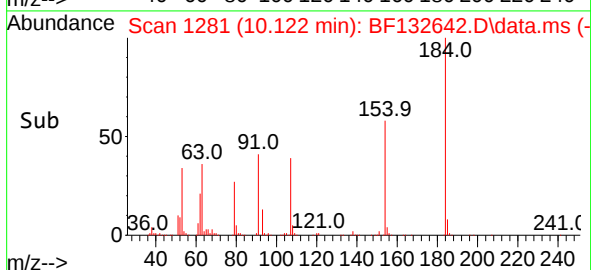
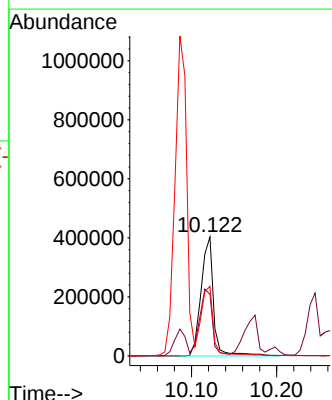
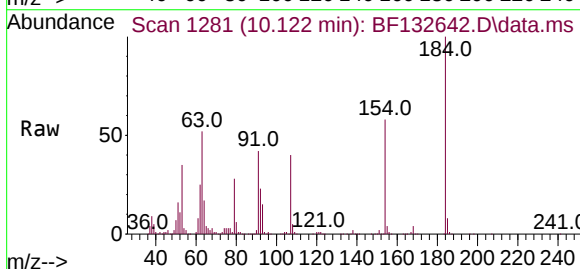
Manual Integrations  
APPROVED

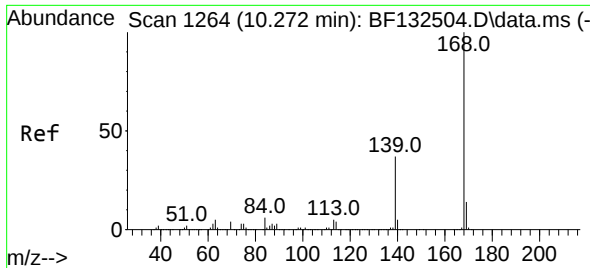
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#54  
2,4-Dinitrophenol  
Concen: 84.926 ng  
RT: 10.122 min Scan# 1281  
Delta R.T. 0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:184 Resp: 410477  
Ion Ratio Lower Upper  
184 100  
63 51.8 51.4 77.2  
154 58.4 48.3 72.5





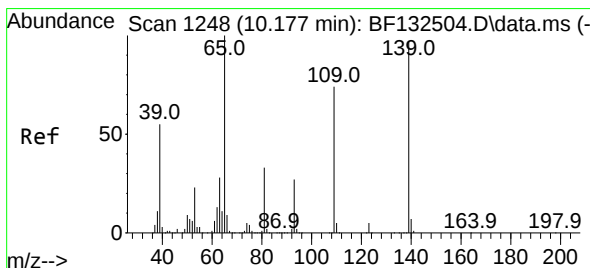
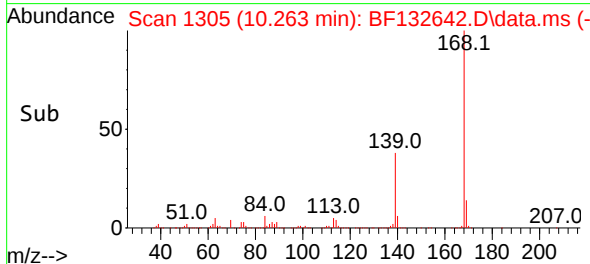
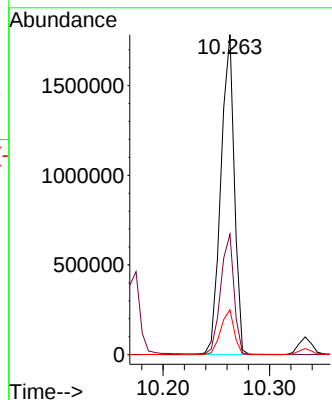
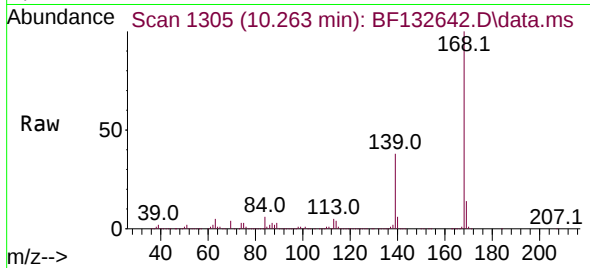
#55  
Dibenzenofuran  
Concen: 38.527 ng  
RT: 10.263 min Scan# 1290  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:168 Resp: 1573373  
Ion Ratio Lower Upper  
168 100  
139 37.6 29.8 44.6  
169 14.0 10.9 16.3

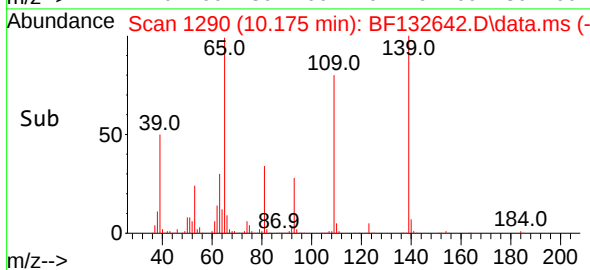
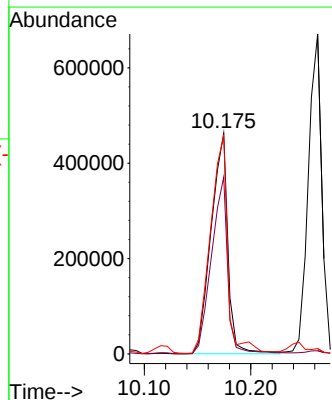
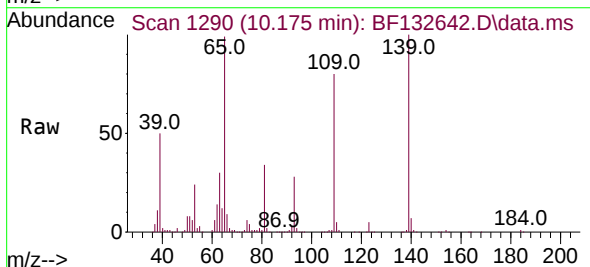
Manual Integrations  
APPROVED

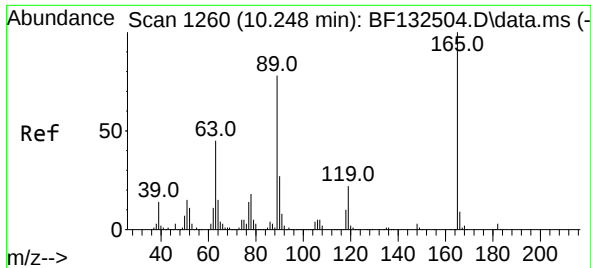
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#56  
4-Nitrophenol  
Concen: 79.687 ng  
RT: 10.175 min Scan# 1290  
Delta R.T. 0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:139 Resp: 509187  
Ion Ratio Lower Upper  
139 100  
109 80.1 56.7 96.7  
65 98.9 83.5 123.5





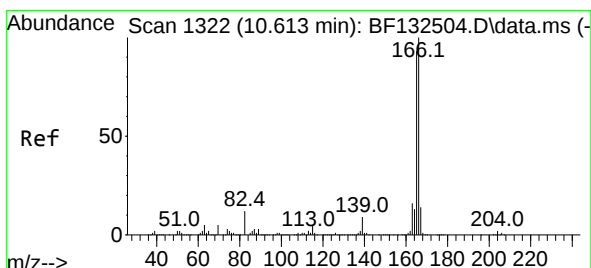
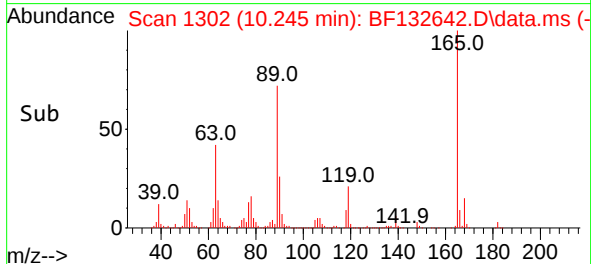
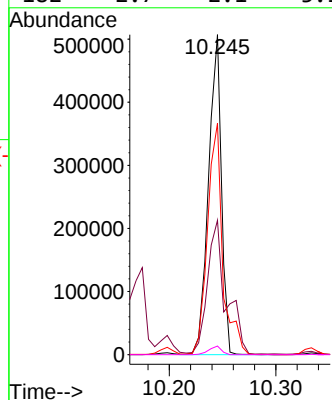
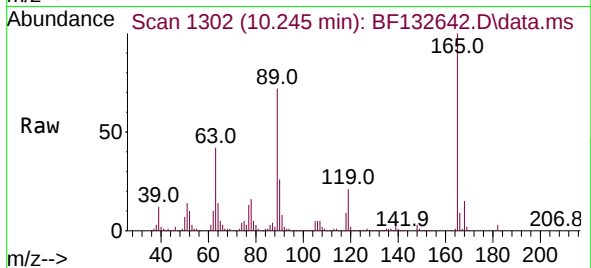
#57  
2,4-Dinitrotoluene  
Concen: 41.871 ng  
RT: 10.245 min Scan# 131  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:165 Resp: 426664  
Ion Ratio Lower Upper  
165 100  
63 42.0 36.5 54.7  
89 72.3 62.4 93.6  
182 2.7 2.1 3.1

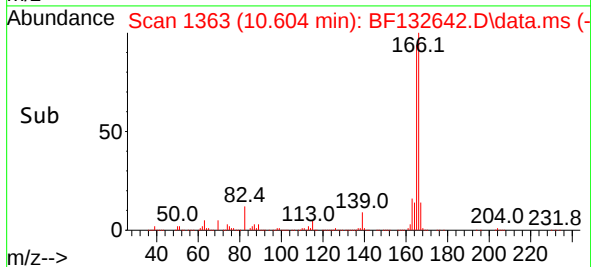
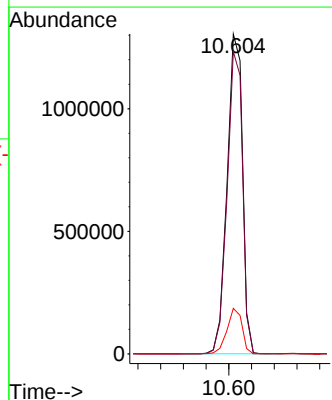
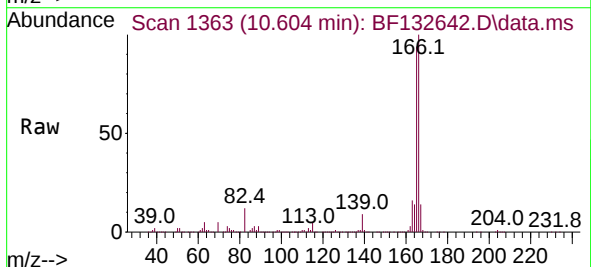
Manual Integrations  
APPROVED

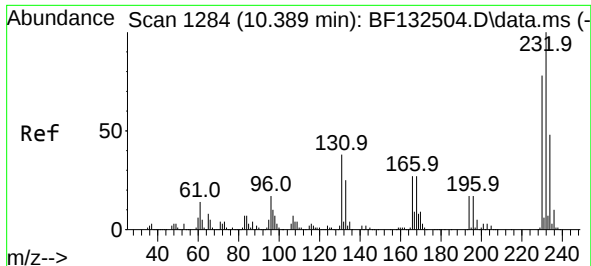
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#58  
Fluorene  
Concen: 39.345 ng  
RT: 10.604 min Scan# 1363  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:166 Resp: 1229005  
Ion Ratio Lower Upper  
166 100  
165 94.5 74.2 111.4  
167 14.2 11.1 16.7





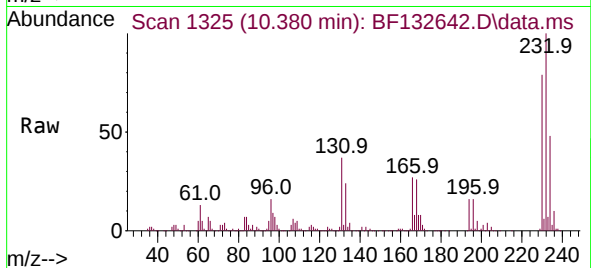
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.019 ng  
RT: 10.380 min Scan# 1310  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

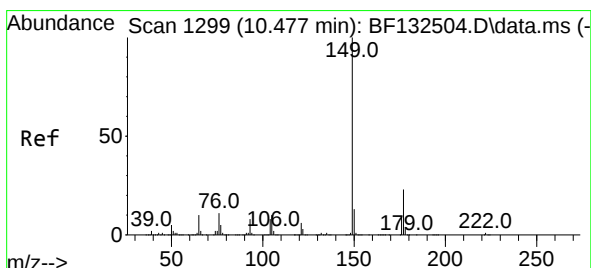
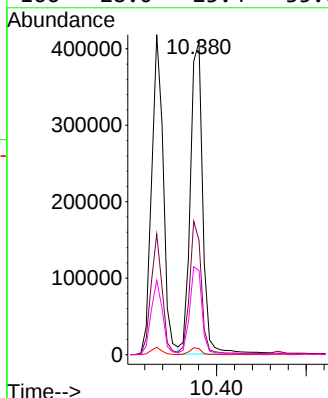
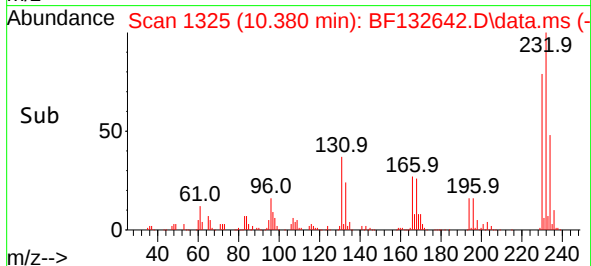


Tgt Ion:232 Resp: 390869  
Ion Ratio Lower Upper  
232 100  
131 40.2 33.8 50.8  
130 2.1 1.7 2.5  
166 28.0 23.4 35.0

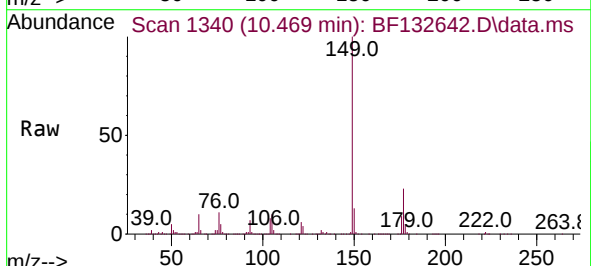
Manual Integrations

APPROVED

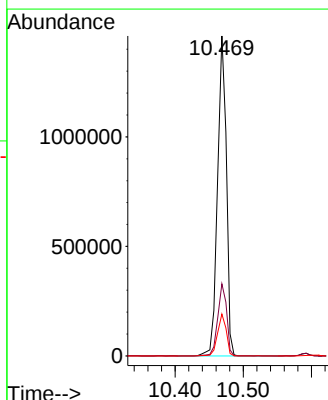
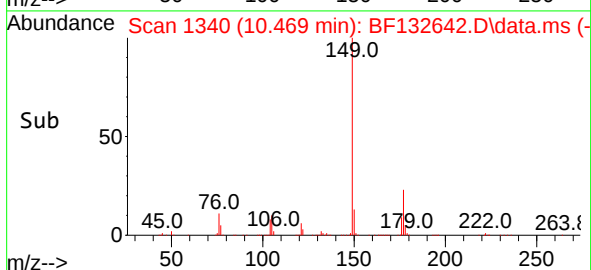
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

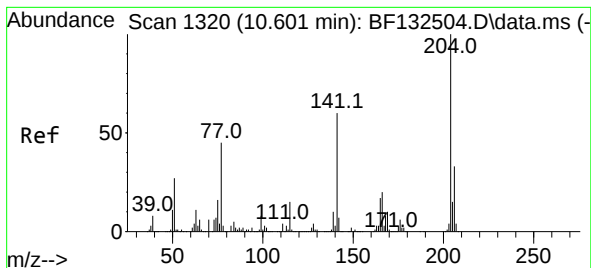


#60  
Diethylphthalate  
Concen: 39.799 ng  
RT: 10.469 min Scan# 1340  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:149 Resp: 1307286  
Ion Ratio Lower Upper  
149 100  
177 22.5 18.1 27.1  
150 13.1 10.2 15.2





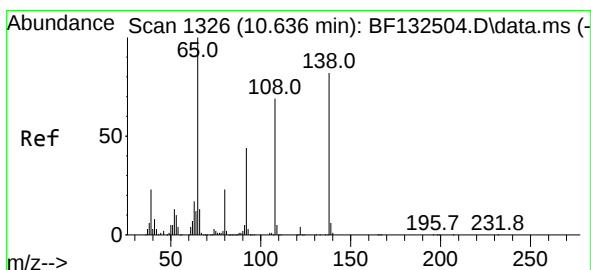
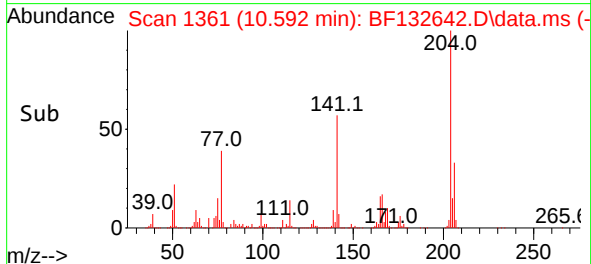
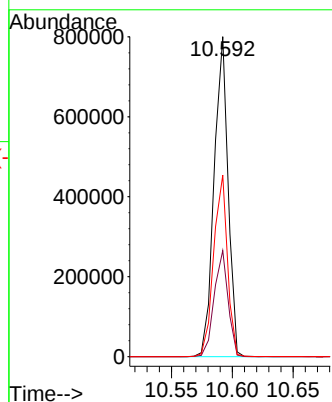
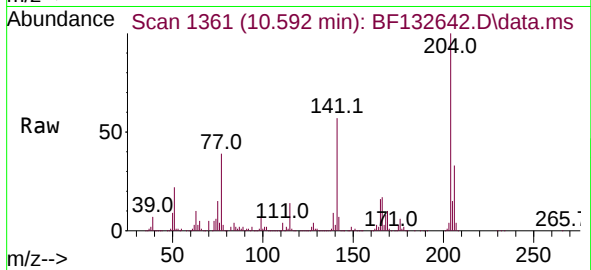
#61  
4-Chlorophenyl-phenylether  
Concen: 39.300 ng  
RT: 10.592 min Scan# 1361  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:204 Resp: 636849  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.3 39.5  
141 56.7 47.8 71.8

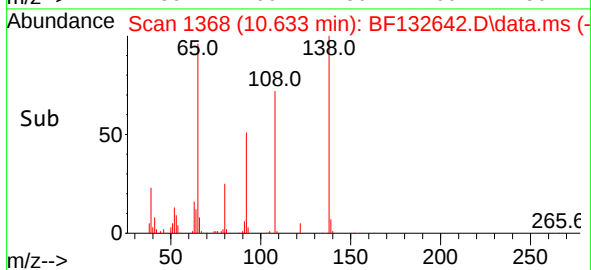
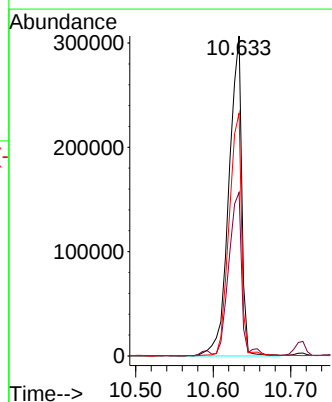
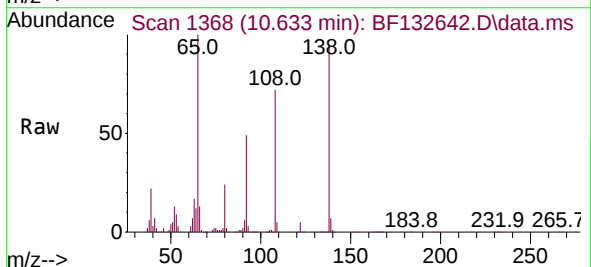
Manual Integrations  
APPROVED

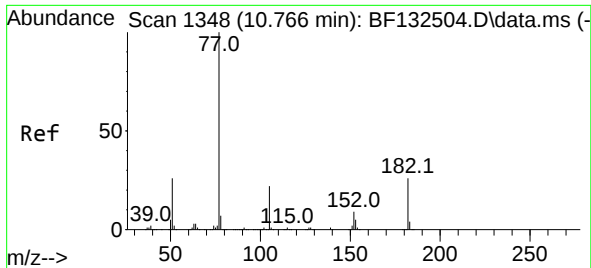
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#62  
4-Nitroaniline  
Concen: 42.044 ng  
RT: 10.633 min Scan# 1368  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

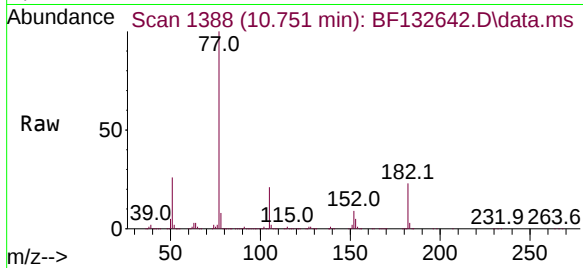
Tgt Ion:138 Resp: 353617  
Ion Ratio Lower Upper  
138 100  
92 51.1 33.8 73.8  
108 75.8 63.7 103.7





#63  
Azobenzene  
Concen: 38.455 ng  
RT: 10.751 min Scan# 1348  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

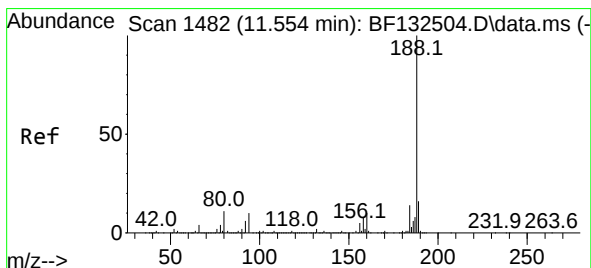
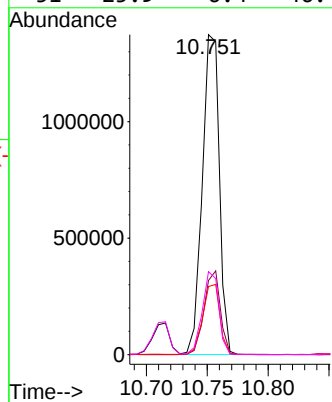
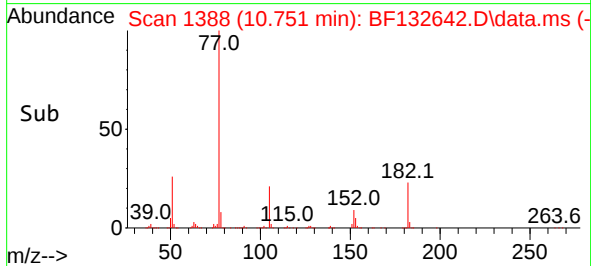
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



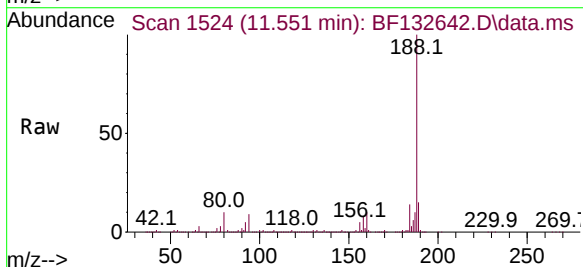
Tgt Ion: 77 Resp: 1337750  
Ion Ratio Lower Upper  
77 100  
182 23.2 5.5 45.5  
105 21.3 1.8 41.8  
51 25.9 6.4 46.4

Manual Integrations  
APPROVED

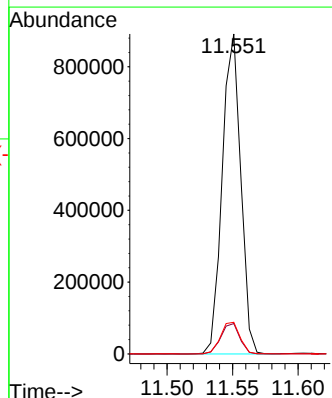
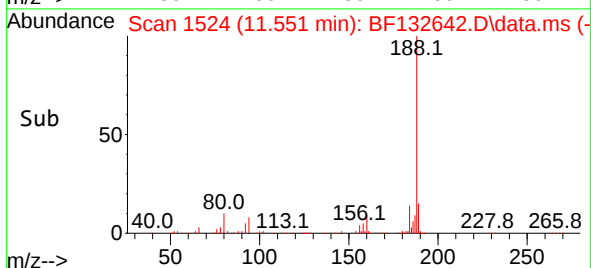
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

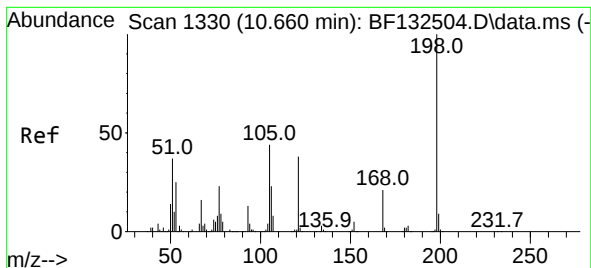


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.551 min Scan# 1524  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:188 Resp: 875423  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.3 12.5  
80 9.9 8.7 13.1





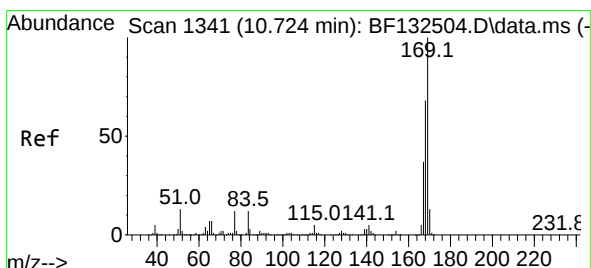
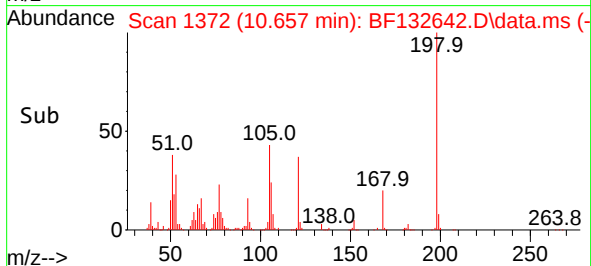
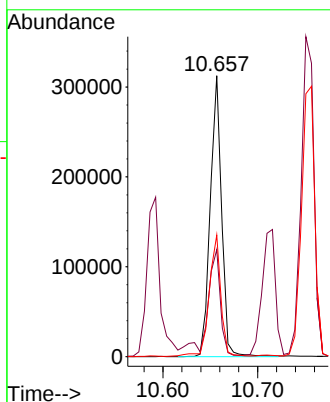
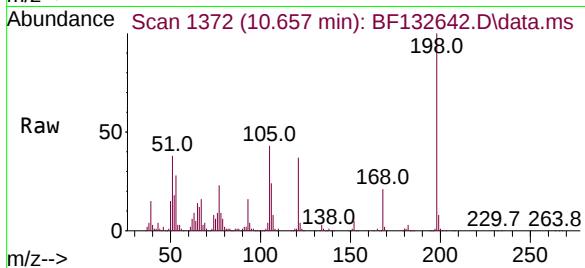
#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.997 ng  
RT: 10.657 min Scan# 1330  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:198 Resp: 260735  
Ion Ratio Lower Upper  
198 100  
51 38.1 20.6 60.6  
105 43.3 24.3 64.3

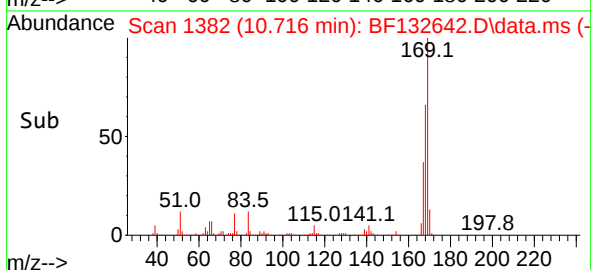
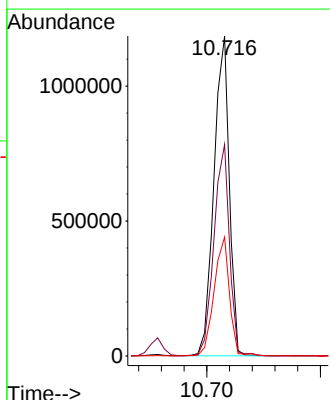
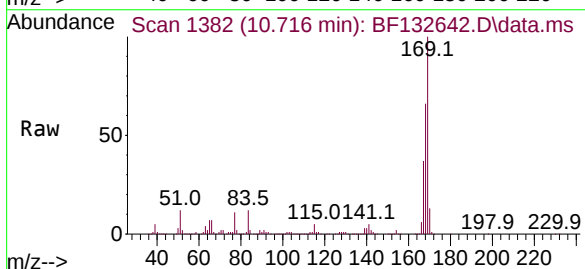
Manual Integrations  
APPROVED

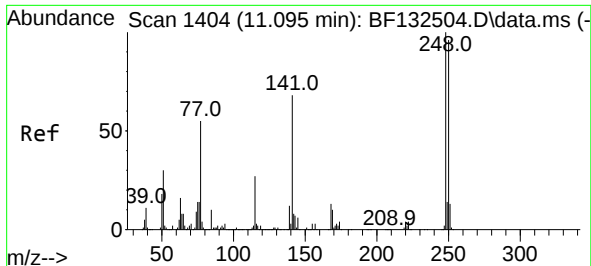
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#66  
n-Nitrosodiphenylamine  
Concen: 40.734 ng  
RT: 10.716 min Scan# 1382  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

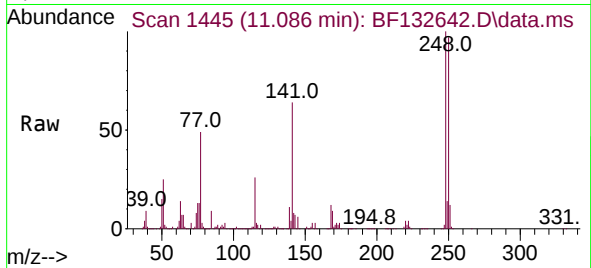
Tgt Ion:169 Resp: 1111723  
Ion Ratio Lower Upper  
169 100  
168 66.1 54.2 81.4  
167 37.1 29.6 44.4





#67  
4-Bromophenyl-phenylether  
Concen: 41.606 ng  
RT: 11.086 min Scan# 1445  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

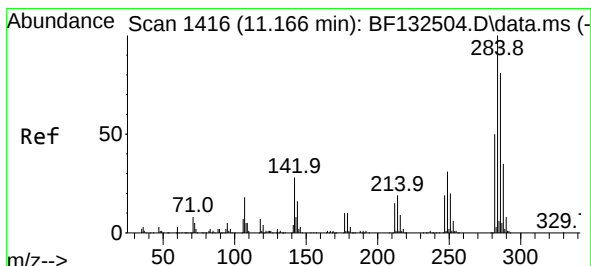
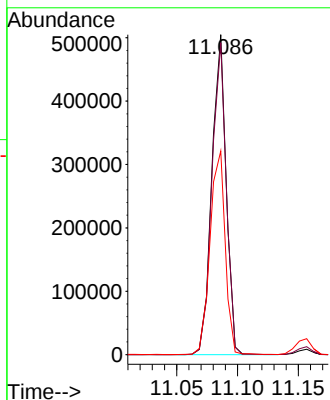
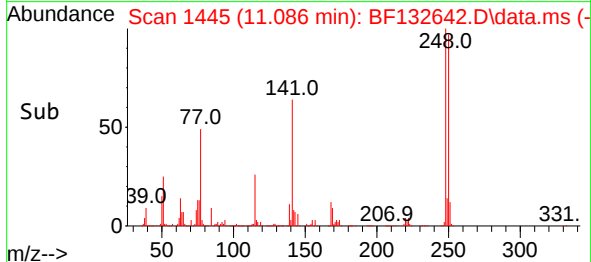
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



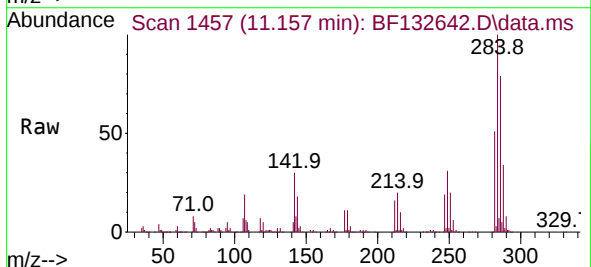
Tgt Ion:248 Resp: 411998  
Ion Ratio Lower Upper  
248 100  
250 97.5 77.0 115.4  
141 63.6 54.2 81.2

Manual Integrations  
APPROVED

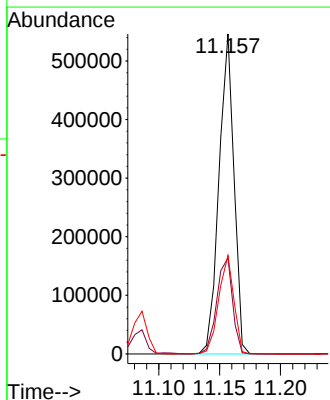
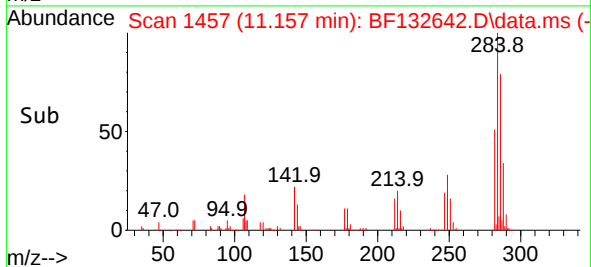
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

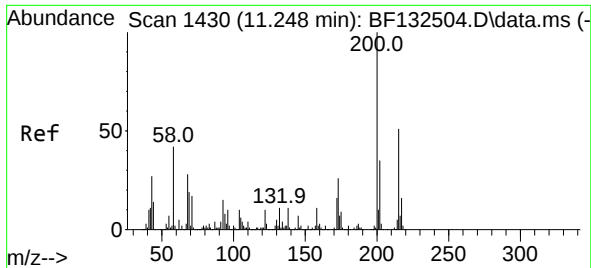


#68  
Hexachlorobenzene  
Concen: 44.898 ng  
RT: 11.157 min Scan# 1457  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:284 Resp: 467820  
Ion Ratio Lower Upper  
284 100  
142 30.0 22.2 33.4  
249 30.8 24.9 37.3





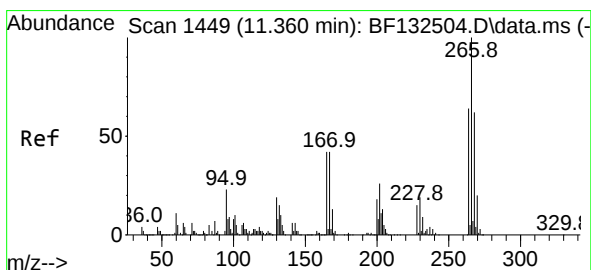
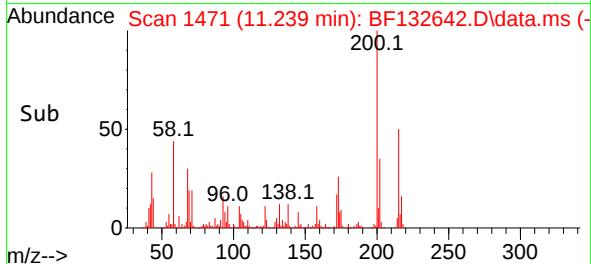
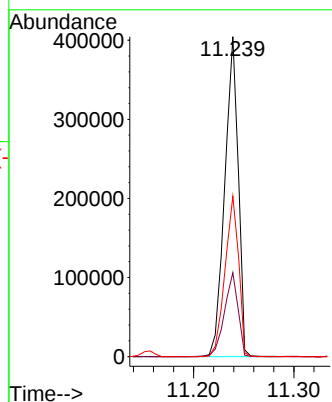
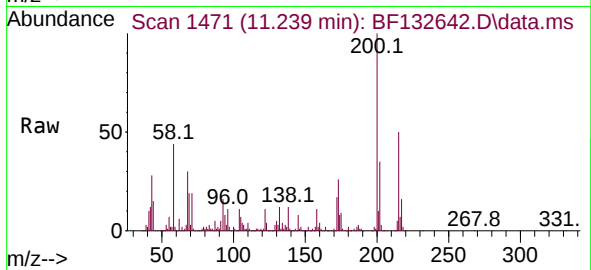
#69  
Atrazine  
Concen: 44.560 ng  
RT: 11.239 min Scan# 14  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:200 Resp: 379663  
Ion Ratio Lower Upper  
200 100  
173 26.2 6.4 46.4  
215 50.1 31.0 71.0

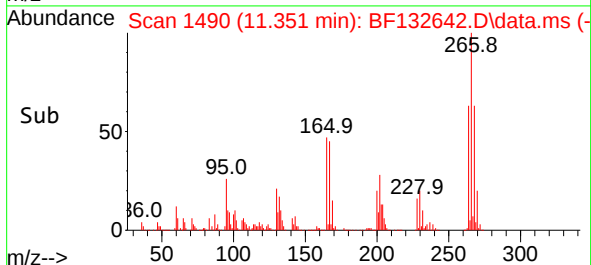
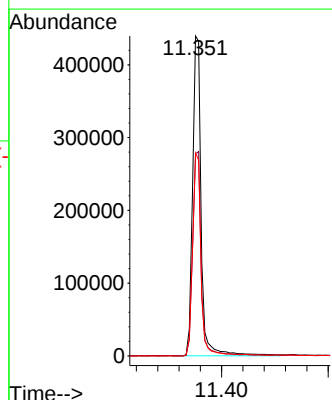
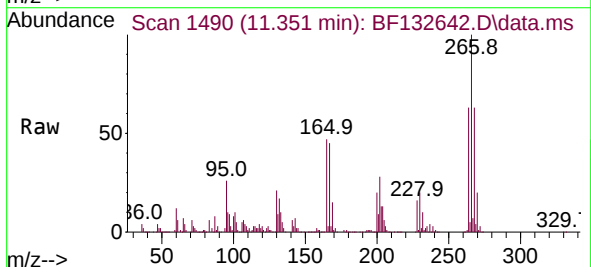
Manual Integrations  
APPROVED

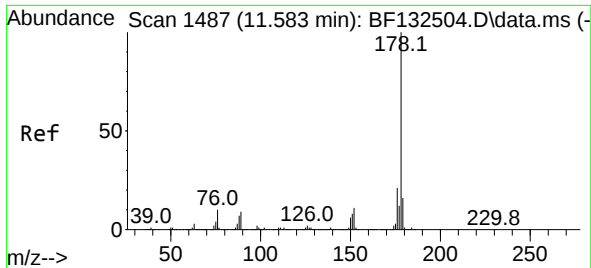
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#70  
Pentachlorophenol  
Concen: 78.955 ng  
RT: 11.351 min Scan# 1490  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:266 Resp: 489469  
Ion Ratio Lower Upper  
266 100  
268 63.2 49.8 74.6  
264 63.4 50.9 76.3





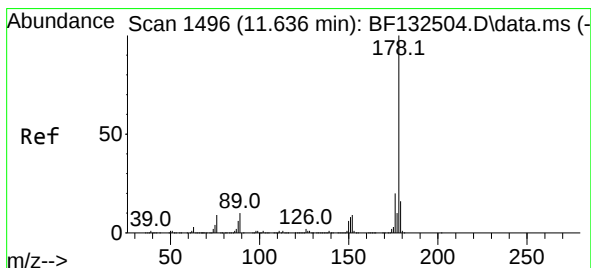
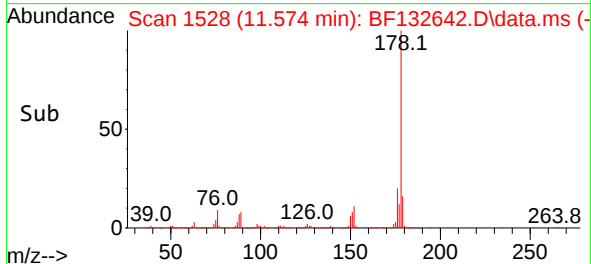
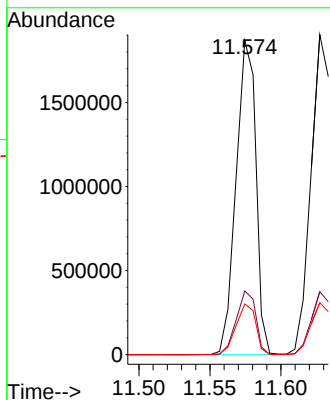
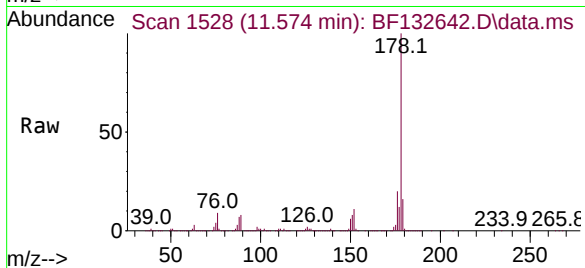
#71  
Phenanthrene  
Concen: 40.024 ng  
RT: 11.574 min Scan# 1153  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:178 Resp: 181515  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.5 24.7  
179 16.1 13.0 19.6

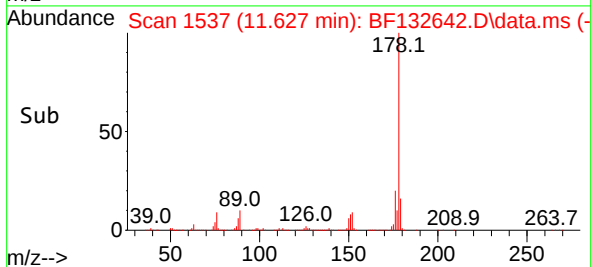
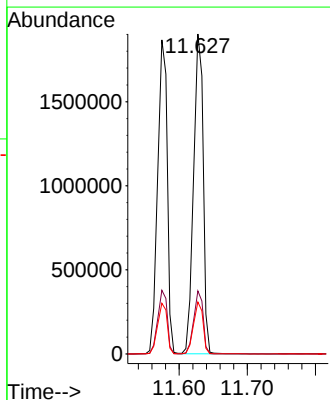
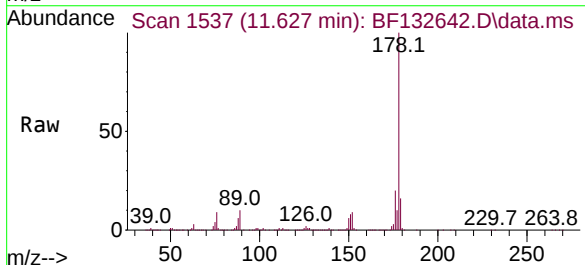
Manual Integrations  
APPROVED

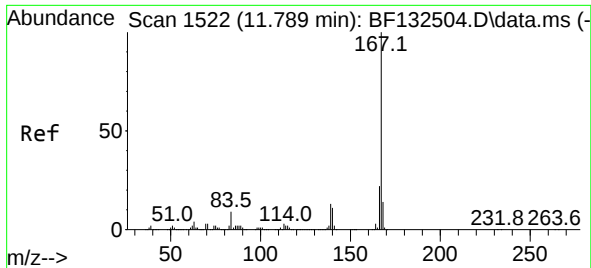
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#72  
Anthracene  
Concen: 40.061 ng  
RT: 11.627 min Scan# 1537  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:178 Resp: 1870911  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.6 23.4  
179 16.2 12.5 18.7





#73  
 Carbazole  
 Concen: 41.120 ng  
 RT: 11.780 min Scan# 11  
 Delta R.T. -0.003 min  
 Lab File: BF132642.D  
 Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

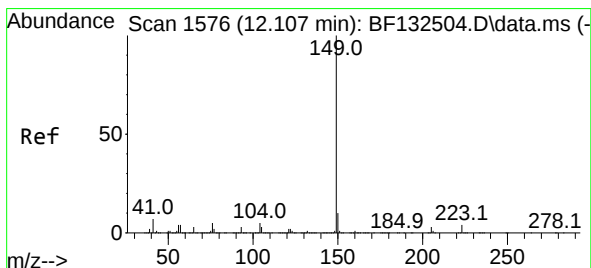
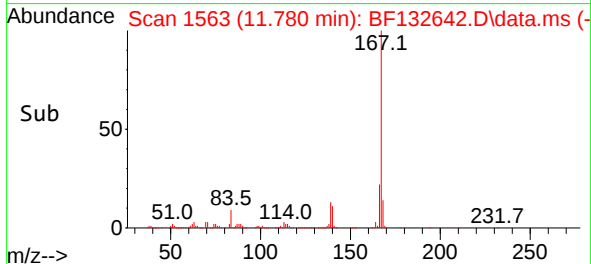
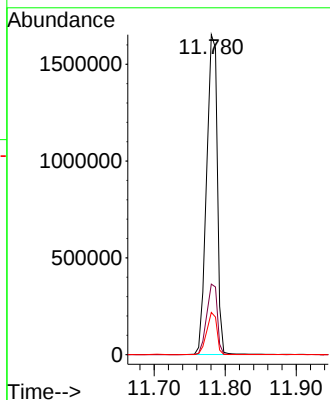
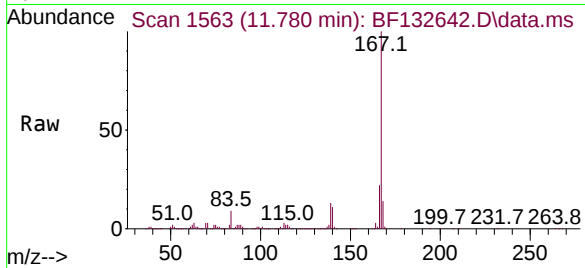
PB151188BS

Tgt Ion:167 Resp: 1731394  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.7 26.5  
 139 13.2 10.5 15.7

Manual Integrations

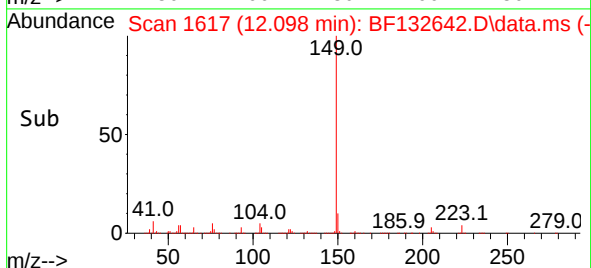
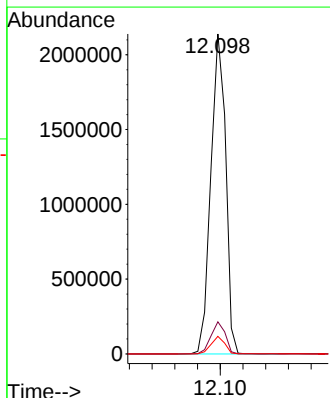
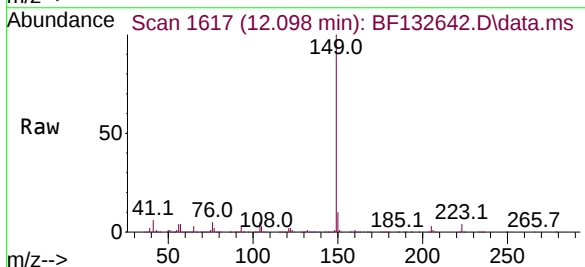
APPROVED

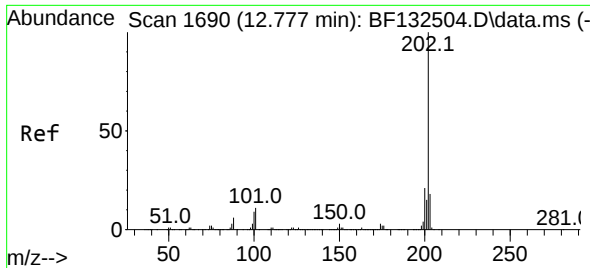
Reviewed By :Christian Giraldo 03/07/2023  
 Supervised By :Jagrut Upadhyay 03/07/2023



#74  
 Di-n-butylphthalate  
 Concen: 39.357 ng  
 RT: 12.098 min Scan# 1617  
 Delta R.T. -0.003 min  
 Lab File: BF132642.D  
 Acq: 06 Mar 2023 10:55

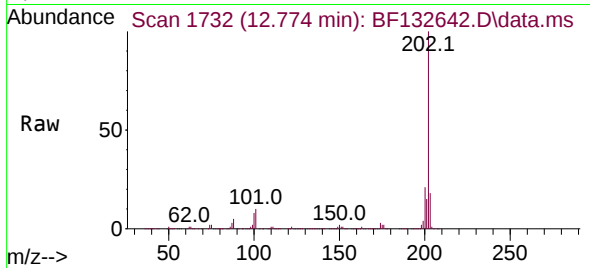
Tgt Ion:149 Resp: 1943859  
 Ion Ratio Lower Upper  
 149 100  
 150 10.0 7.8 11.8  
 104 5.5 4.3 6.5





#75  
Fluoranthene  
Concen: 39.727 ng  
RT: 12.774 min Scan# 1732  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

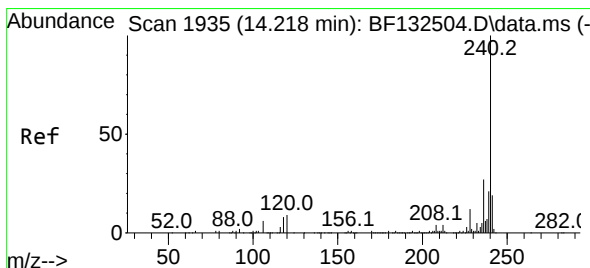
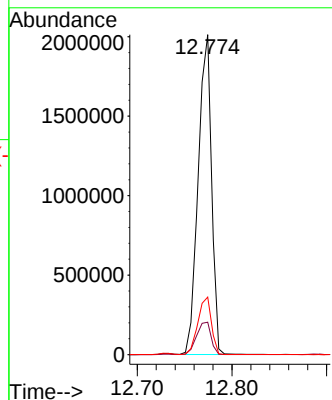
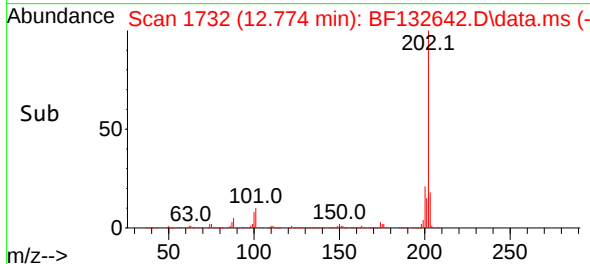
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



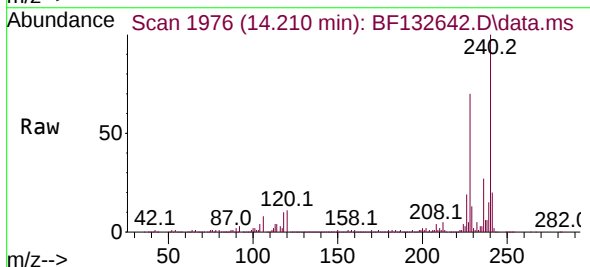
Tgt Ion:202 Resp: 1969606  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 31.4  
203 18.0 0.0 38.0

Manual Integrations  
APPROVED

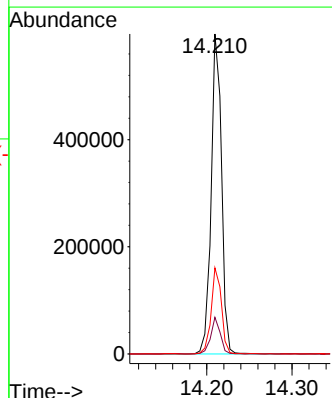
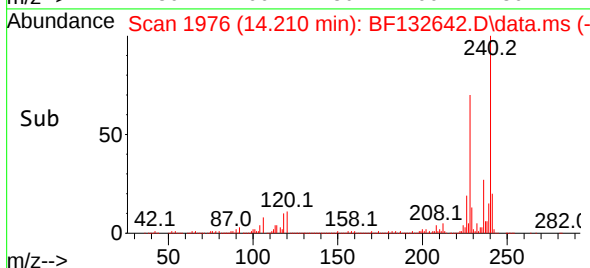
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

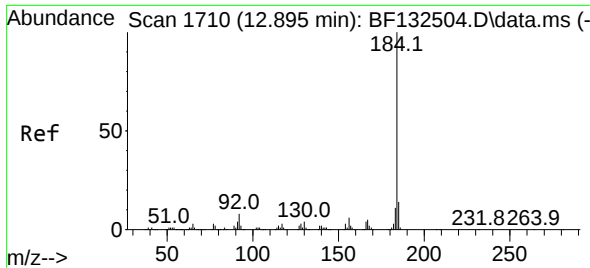


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.210 min Scan# 1976  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



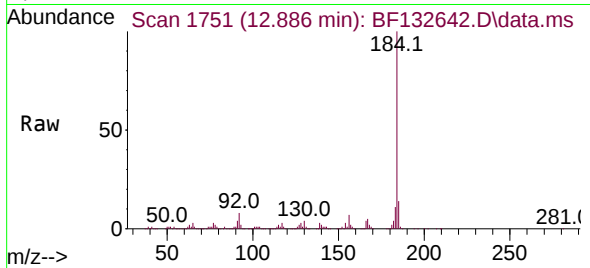
Tgt Ion:240 Resp: 504972  
Ion Ratio Lower Upper  
240 100  
120 11.5 7.2 10.8#  
236 26.9 21.8 32.6





#77  
Benzidine  
Concen: 40.149 ng  
RT: 12.886 min Scan# 1771  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

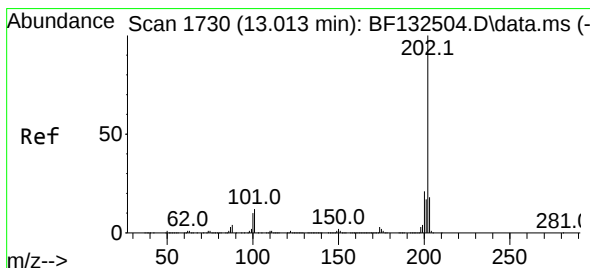
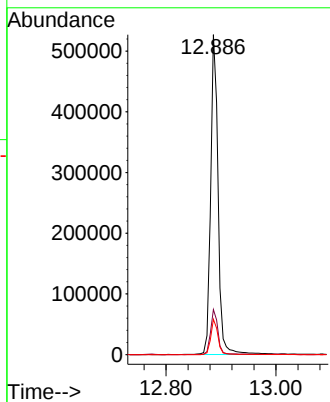
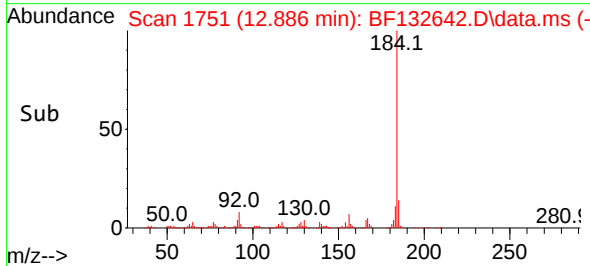
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



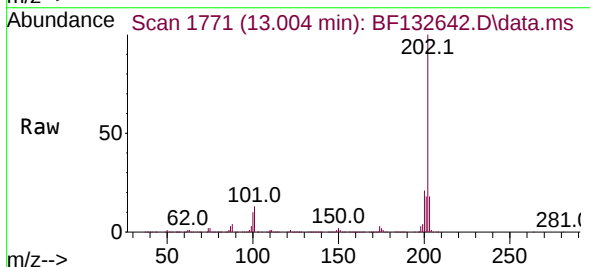
Tgt Ion:184 Resp: 493533  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.7 17.5  
183 11.0 8.7 13.1

Manual Integrations  
APPROVED

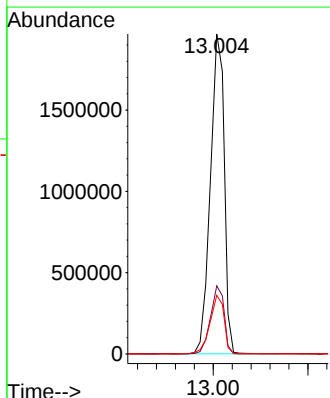
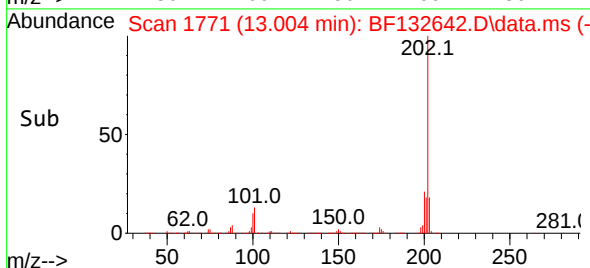
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

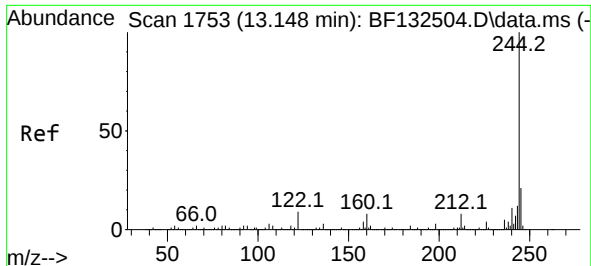


#78  
Pyrene  
Concen: 43.679 ng  
RT: 13.004 min Scan# 1771  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:202 Resp: 2005332  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.1 25.7  
203 18.3 14.6 21.8





#79  
Terphenyl-d14  
Concen: 88.254 ng  
RT: 13.139 min Scan# 1753  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

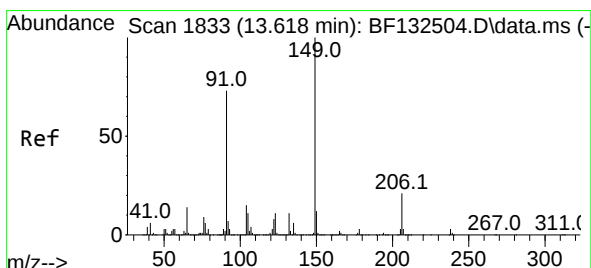
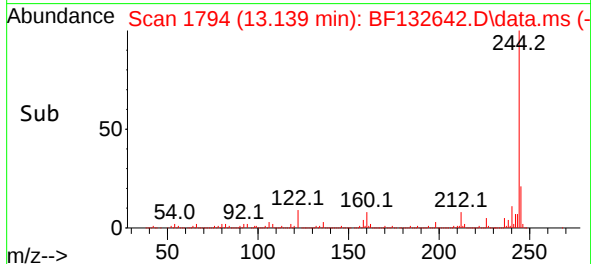
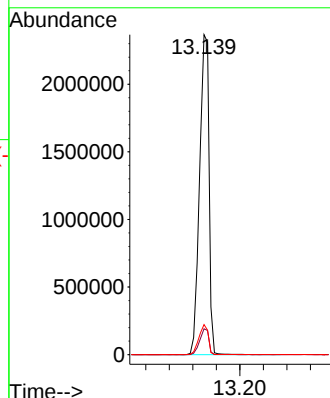
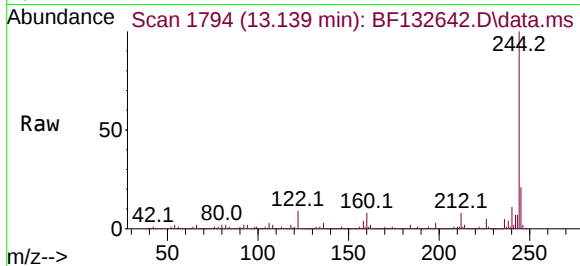
PB151188BS

Tgt Ion:244 Resp: 2635872  
Ion Ratio Lower Upper  
244 100  
212 8.1 6.5 9.7  
122 9.4 7.5 11.3

Manual Integrations

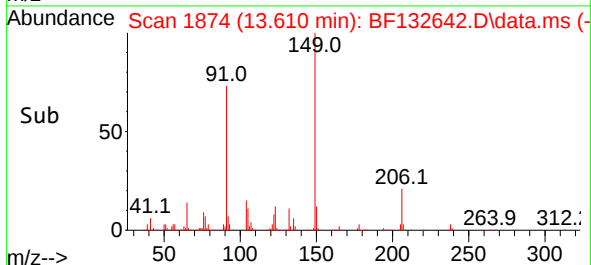
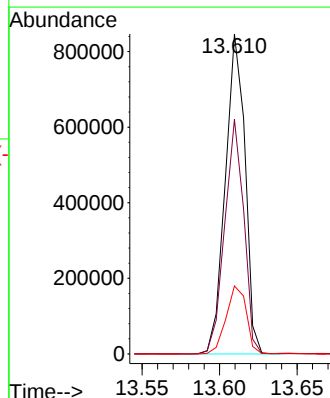
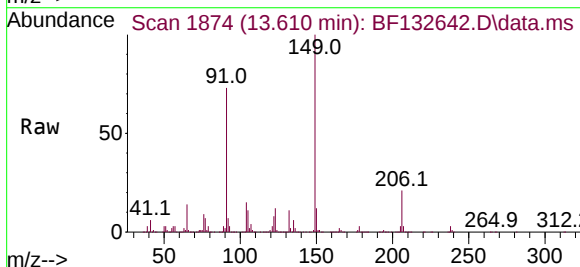
APPROVED

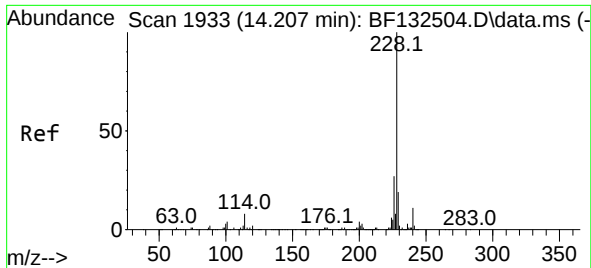
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#80  
Butylbenzylphthalate  
Concen: 41.388 ng  
RT: 13.610 min Scan# 1874  
Delta R.T. -0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

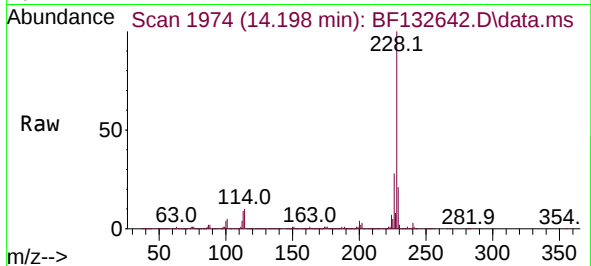
Tgt Ion:149 Resp: 749850  
Ion Ratio Lower Upper  
149 100  
91 73.3 58.4 87.6  
206 21.2 16.8 25.2





#81  
Benzo(a)anthracene  
Concen: 41.296 ng  
RT: 14.198 min Scan# 1933  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

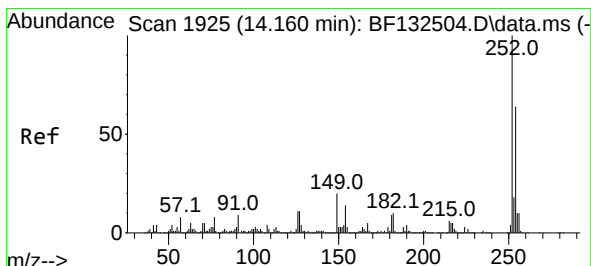
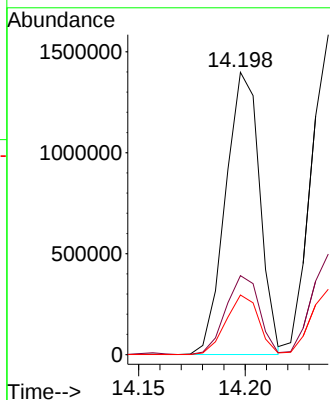
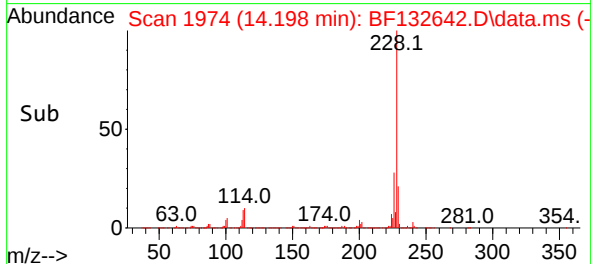
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



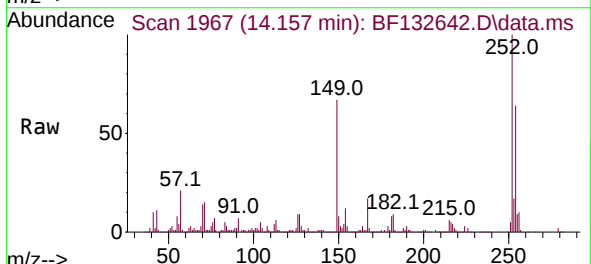
Tgt Ion:228 Resp: 1560297  
Ion Ratio Lower Upper  
228 100  
226 28.0 21.7 32.5  
229 21.1 15.4 23.2

Manual Integrations  
APPROVED

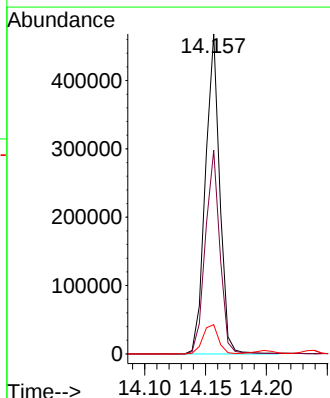
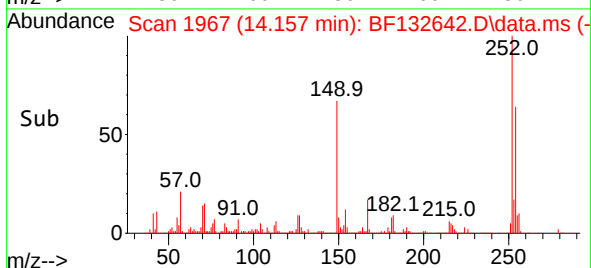
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

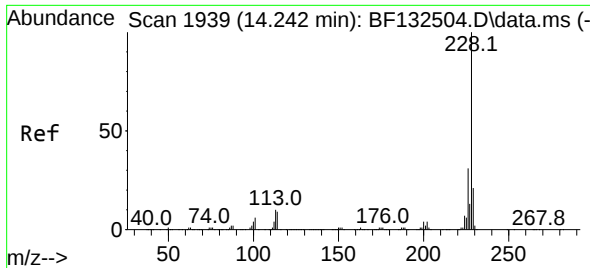


#82  
3,3'-Dichlorobenzidine  
Concen: 34.422 ng  
RT: 14.157 min Scan# 1967  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



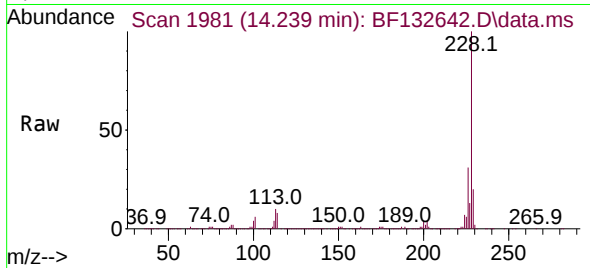
Tgt Ion:252 Resp: 383434  
Ion Ratio Lower Upper  
252 100  
254 63.6 51.4 77.2  
126 9.1 8.9 13.3





#83  
Chrysene  
Concen: 40.668 ng  
RT: 14.239 min Scan# 1939  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

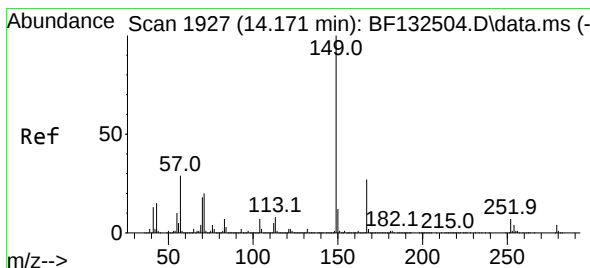
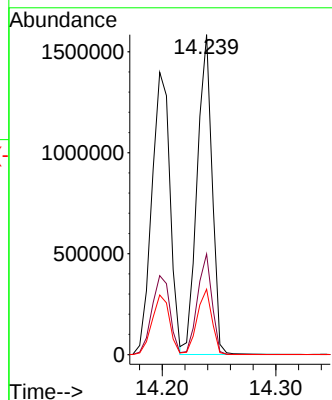
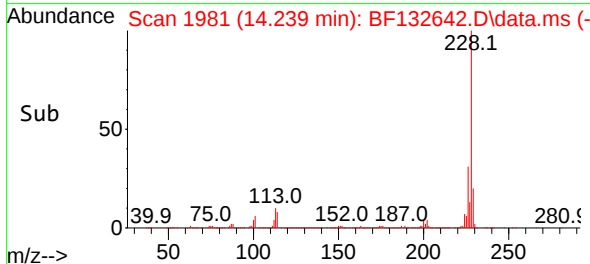
Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS



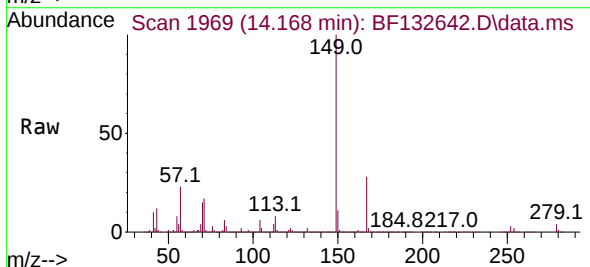
Tgt Ion:228 Resp: 1436862  
Ion Ratio Lower Upper  
228 100  
226 31.4 25.0 37.6  
229 20.4 16.4 24.6

Manual Integrations  
APPROVED

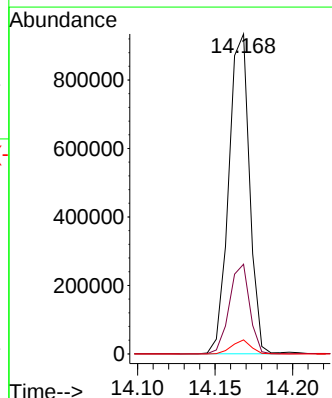
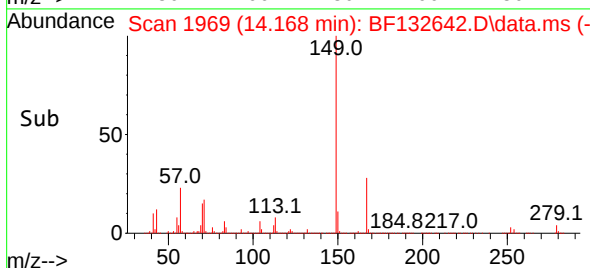
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023

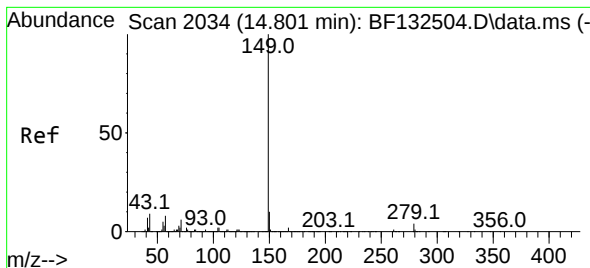


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 39.404 ng  
RT: 14.168 min Scan# 1969  
Delta R.T. 0.003 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55



Tgt Ion:149 Resp: 876981  
Ion Ratio Lower Upper  
149 100  
167 28.0 21.8 32.6  
279 4.4 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 40.133 ng

RT: 14.792 min Scan# 2034

Delta R.T. 0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

Tgt Ion:149 Resp: 130525

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

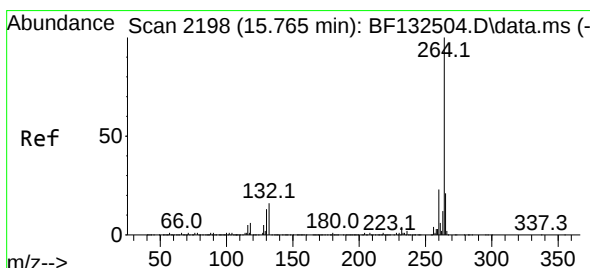
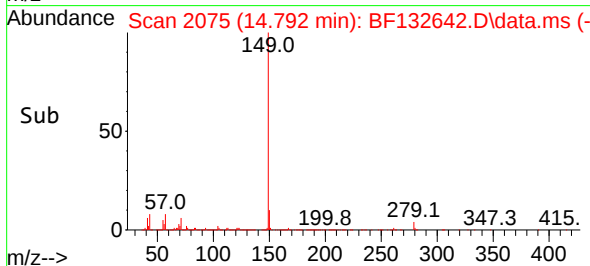
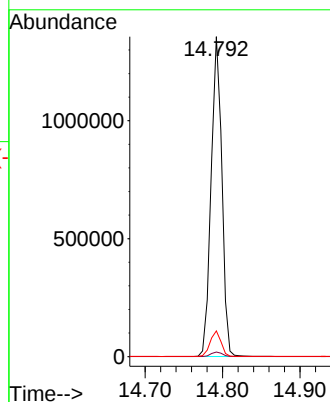
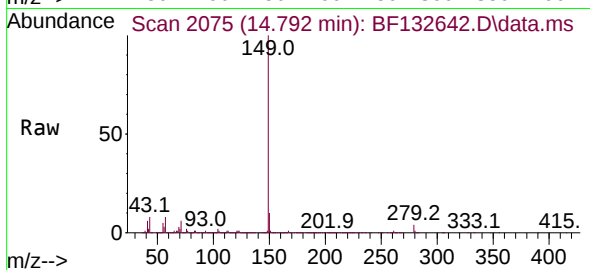
43 8.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.762 min Scan# 2240

Delta R.T. 0.009 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

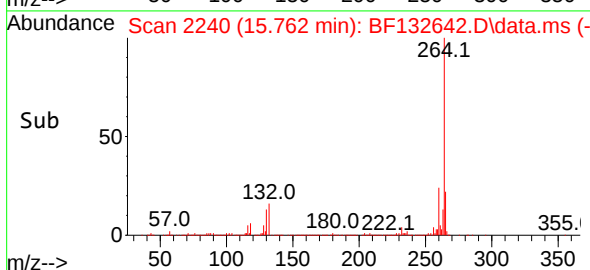
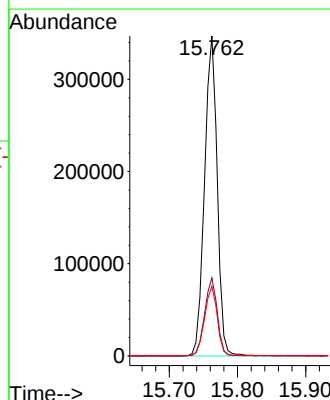
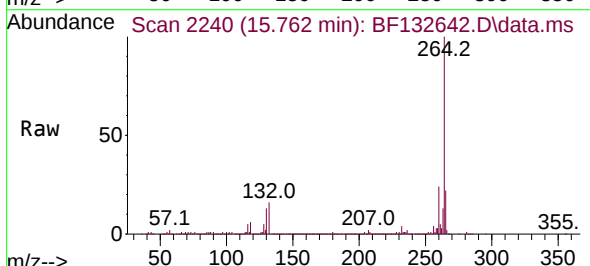
Tgt Ion:264 Resp: 448206

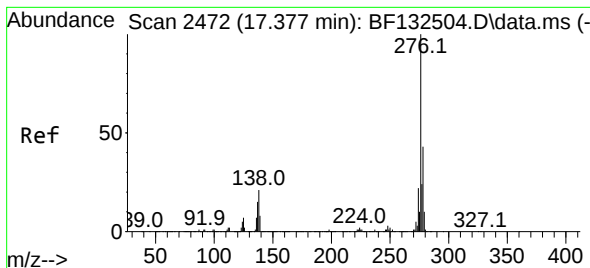
Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 21.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.474 ng

RT: 17.374 min Scan# 2161

Delta R.T. 0.015 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

Instrument :

BNA\_F

ClientSampleId :

PB151188BS

Tgt Ion:276 Resp: 1482352

Ion Ratio Lower Upper

276 100

138 23.5 19.0 28.4

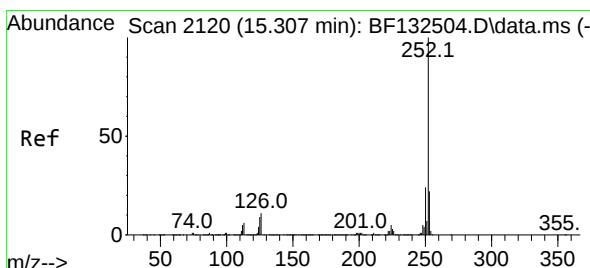
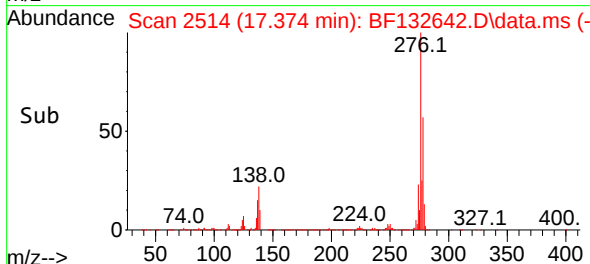
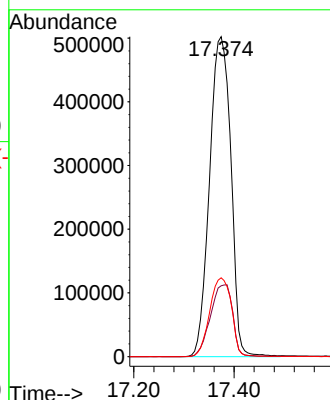
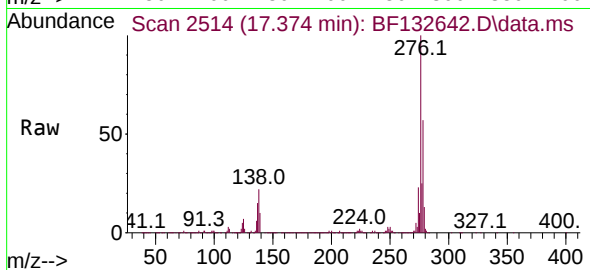
277 25.1 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#88

Benzo(b)fluoranthene

Concen: 47.108 ng

RT: 15.298 min Scan# 2161

Delta R.T. 0.003 min

Lab File: BF132642.D

Acq: 06 Mar 2023 10:55

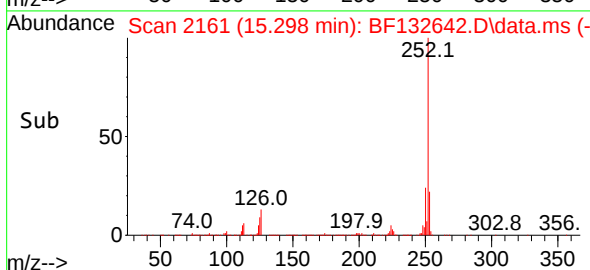
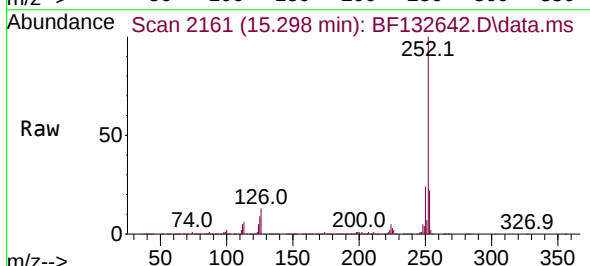
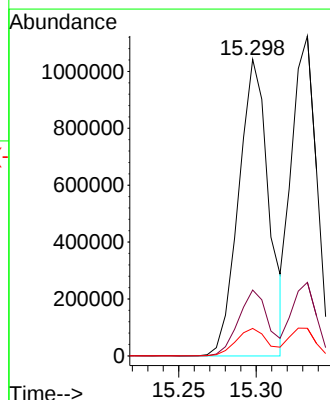
Tgt Ion:252 Resp: 1414974

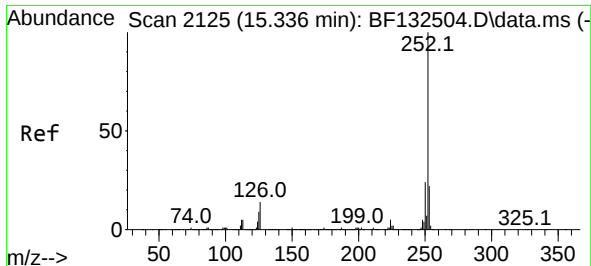
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 9.2 7.0 10.6





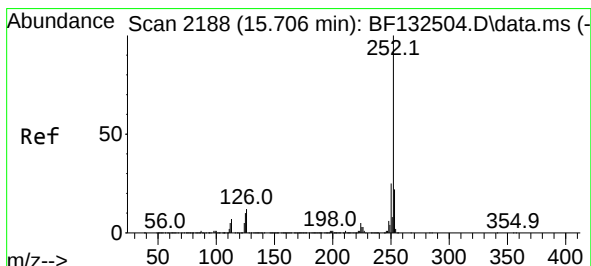
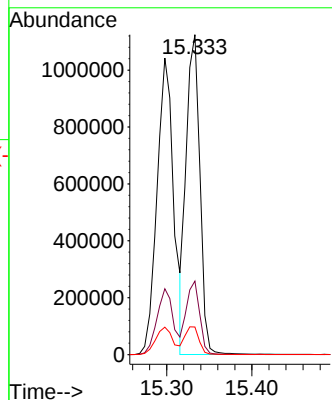
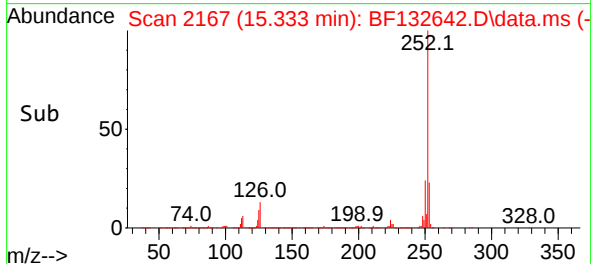
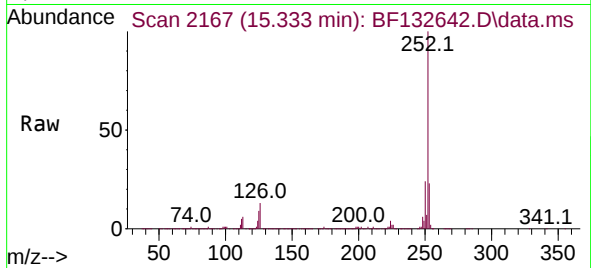
#89  
Benzo(k)fluoranthene  
Concen: 42.797 ng  
RT: 15.333 min Scan# 2125  
Delta R.T. 0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:252 Resp: 125808  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.5 26.3  
125 8.6 7.2 10.8

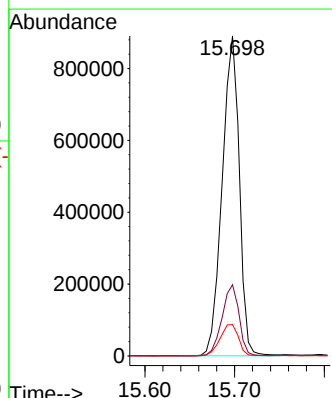
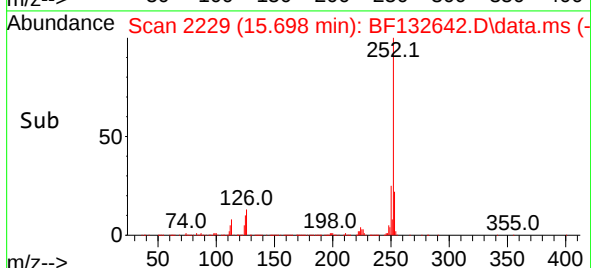
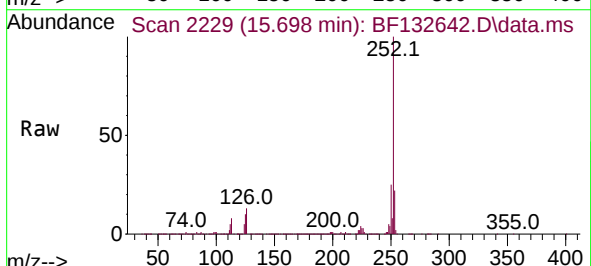
Manual Integrations  
APPROVED

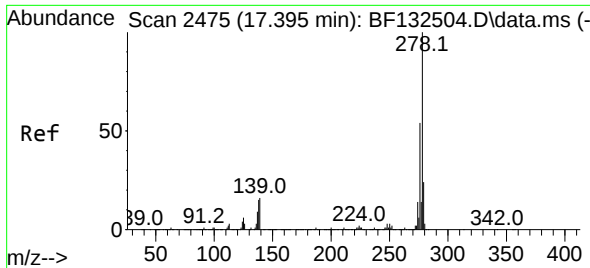
Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#90  
Benzo(a)pyrene  
Concen: 42.093 ng  
RT: 15.698 min Scan# 2229  
Delta R.T. 0.009 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:252 Resp: 1183301  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.2 25.8  
125 9.8 8.0 12.0





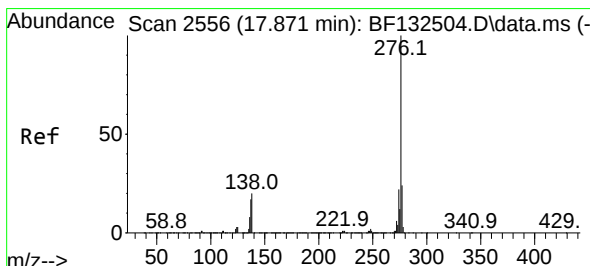
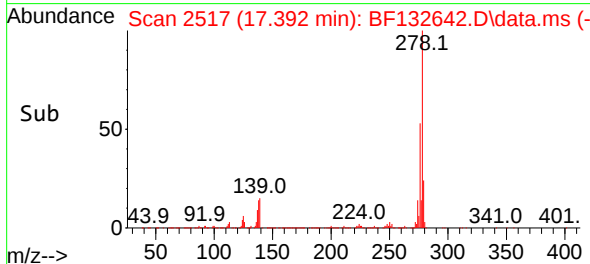
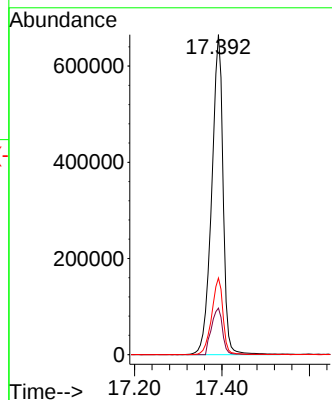
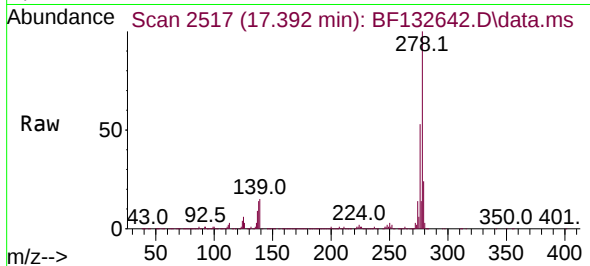
#91  
Dibenzo(a,h)anthracene  
Concen: 50.184 ng  
RT: 17.392 min Scan# 21  
Delta R.T. 0.015 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB151188BS

Tgt Ion:278 Resp: 1200816  
Ion Ratio Lower Upper  
278 100  
139 14.5 13.0 19.4  
279 23.9 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/07/2023  
Supervised By :Jagrut Upadhyay 03/07/2023



#92  
Benzo(g,h,i)perylene  
Concen: 48.121 ng  
RT: 17.868 min Scan# 2598  
Delta R.T. 0.015 min  
Lab File: BF132642.D  
Acq: 06 Mar 2023 10:55

Tgt Ion:276 Resp: 1301404  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.9 28.3  
138 19.8 16.2 24.4

